

THE SHIPBUILDER

FALL 2016 • NASSCO.COM



NASSCO Shipbuilders Welcome Medal of Honor Recipients
for the Keel Laying of USNS *Hershel "Woody" Williams*.



On the Cover

LEFT TO RIGHT: COLONEL ROBERT MODRZEJEWSK, USMC (RET); CWO-4 HERSHEL "WOODY" WILLIAMS, USMC (RET.); SENIOR CHIEF SPECIAL WARFARE OPERATOR (SEAL) EDWARD BYERS, JR., U.S. NAVY.



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THE SHIPBUILDER

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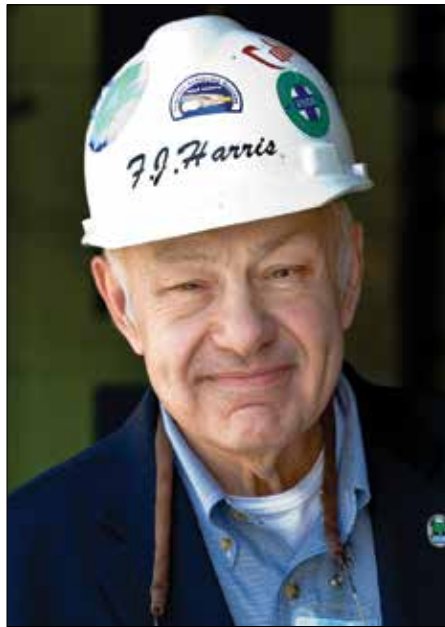
PRESIDENT'S NOTE

The Fall season is officially here. If you're in Norfolk, Bremerton, or Wisconsin, the leaves and the weather are probably starting to turn. If you're in San Diego, Mayport, Hawaii, Mexicali, or Singapore – it still probably feels like summer.

No matter your location or the distance in between our operations, every single person that wears a NASSCO badge is part of a team that is building and maintaining a foundation that is forever changing the way America ships products and how our armed defenses receive vital supplies and support at sea.

On the ship repair side of our business, we continue to expand around the world. In addition to work conducted at our four main repair locations (San Diego, Mayport, Norfolk, and Bremerton), our repair teams are working on ship availabilities in Hawaii, Wisconsin and thousands of miles away in Singapore.

In New Construction, this summer we celebrated the announcement of two very significant contracts for our business. The two contracts, calling for the construction of six new fleet oilers for the U.S. Navy and two roll-on, roll-off containerships for commercial customer Matson, put a strong emphasis on our portfolio for building a variety of ships – for both the U.S. Navy and commercial customers.



FREDERICK J. HARRIS
President
General Dynamics NASSCO
and Bath Iron Works

In September, we marked our eighth ship delivery in just over a year. We can all be very proud of this accomplishment. This summer also marked several milestones, including ship christenings, keel layings, and launches.

We are a global network of highly-skilled and highly-trained shipbuilding and ship repair professionals.

With the Fall season comes the tradition of watching our favorite football team. I like to think our “playbook” is much like that of a pro NFL team. We strive to be competitive—to win work. We strive to

continuously improve—to keep our costs down and productivity high. And with employees located around the world, it's all about teamwork, collaboration, and communication. Always.

When the playbook is executed, we remain well-positioned to provide quality and affordable ship construction, maintenance and repair for our customers.

We have made a name for ourselves as a leader in building and maintaining world-leading ships. Let's continue to ensure we remain attractive and competitive for future work by keeping our costs low, improving safety in the yard, keeping on schedule, and producing high-quality work.

In regards to safety, I cannot stress enough the importance of working safe. Each and every single one of us is responsible for maintaining a safe work environment. This means always wearing the proper Personal Protection Equipment – or PPE – and always being aware of your surroundings. And if you see something, say something.

Let's continue to work safely and productively.

F. J. Harris
Fred Harris

GENERAL MANAGER'S NOTE

This summer, we won two very significant new construction contracts to Secure Our Future. The first new construction contract—awarded by the U.S. Navy—calls for the design and construction of the next generation of fleet oilers. Formerly known as the TAO(X) program, we are contracted to build the first six ships of the John Lewis Class (TAO-205). Detailed design and engineering work is underway, with production on the first ship beginning in 2018. The Navy has stated the need to build as many as 17 ships. While winning this first contract gives us a good opportunity to win all 17 ships, we must earn it by staying focused on Performing Every Day – safety, quality, schedule, cost and continuous improvement.

The second new construction contract—with Matson Navigation Company, Inc.—calls for the design and construction of two Kanaloa Class containerships with roll-on, roll-off capability. The ships will be liquefied natural gas (LNG)-capable due to the installation of dual fuel main engines and ship service diesel generators. We will not be installing or testing the tanks or the piping and equipment associated with delivering LNG to the engines. The 870-foot-long, 3,500 TEU containership design provides the capability to transport containers, automobiles and rolling stock, including trailers. Detailed design is already underway, with production on the first ship beginning in 2018.

While many people worked long hours to develop proposals, designs drawings, and countless other details, each of us played a role in securing this important work. Simply put, our reputation as a high-quality, innovative shipyard matters! Our customers recognize it. Thank you for your hard work and support!

Over the past year, we have achieved a significant improvement in quality and schedule in the yard. Even better, our safety performance has improved. Each of us



KEVIN GRANEY
Vice President and General Manager
of New Construction
General Dynamics NASSCO

can see the results on a daily basis. We are performing less rework in each of the steel and outfit trades. We are completing ships early to our schedule because our quality is allowing us to test and complete system and ship operations on or ahead of our plan.

This effort has not been easy or simple. It has required close, daily coordination and communication throughout the shipyard. A key part of this effort is the personal productivity of each member of our team. Meeting our productivity goals each day helps reduce our cost. When we can't meet a productivity goal, we have just identified an opportunity for Continuous Improvement. Our ability to remain competitive in the business of shipbuilding requires each of us to remain focused on productivity and Continuous Improvement. It's as simple as that.

Earlier this summer I conducted a series of all hands meetings with you. We discussed the status of the business and what we are doing

to help Secure Our Future. I appreciate the questions and feedback. Better yet, most of the comments received were focused on what we can do to improve. Thanks for your commitment to making us better.

We have delivered our fifth ECO tanker, and our eighth ship in just over a year. We are now entering a period of lower rate production with three commercial tankers and Hull 544 (ESB 3) under construction. By this time next year, we will be building ESB 4 and 5.

This transition to lower rate production will result in some workforce reductions beginning in early 2017. This is a rapidly changing situation as we balance the needs of our repair business with our new construction business. The amount of work on the repair side of the business is increasing which allows us to move some of our people to Repair from New Construction. This reduces the size of any layoffs. We are working with outside resources to get help with job placement for those affected. We will provide updates as we learn more. While this situation will make for a difficult 2017, please be aware that we will be hiring again as we begin construction on our Matson and TAO lead ships.

As we move forward in the months ahead, I ask each of you to consider your contribution to our NASSCO culture. In my view, each of us is directly responsible for safety, quality and improving our processes. By safely completing each of our daily productivity goals, every member of the NASSCO team is making a difference that helps shape our future. I am proud of what we have accomplished by working together – you should carry that pride as well.

Work safe,

Kevin M. Graney
Kevin Graney

GENERAL MANAGER'S NOTE

NASSCO's maintenance and repair efforts are in full swing. With work aboard 12 ships in nine different locations – including Hawaii, Florida, Wisconsin, and Singapore – we are working more opportunities than we have in the past year.

In San Diego, our repair effort continues to thrive. Our first competitively won firm fixed price availability, for the USS *Stockdale* (DDG-106), began on September 26.

In Norfolk, our operation continues to rebound from the significant downturn in work from this summer. With the USS *Oak Hill* (LSD-51), the start of the USS *Harry S. Truman* (CVN-75) availability, and the recent firm fixed price awards of the USS *Bulkeley* (DDG-84) and USS *Gonzalez* (DDG-66), Norfolk is well positioned for a busy winter putting us in a better position to capture additional work as we look forward to next year.

In the Northwest at Bremerton, we continue our efforts maintaining the USS *Nimitz* (CVN-68) and USS *John C. Stennis* (CVN-74). We are currently working repairs on the USS *John C. Stennis* during windows of opportunities (WOO) but our primary focus remains on the planning efforts for her upcoming availability.

Work on the USS *New York* (LPD-21) and USS *Tornado* (PC-14) in Mayport is



DAVE CARVER
Vice President and General
Manager of Repair
General Dynamics NASSCO

winding down. Although we have additional work on some upcoming continuous maintenance availabilities, we are in the planning process of moving manning to support our uptick of work in Norfolk. This is one of the advantages of having shipyards in multiple locations.

Recently, the U.S. Navy selected Mayport as one of two companies to perform all types of Littoral Combat Ship (LCS) work on the East Coast – including when the ships are deployed overseas. This is great news for maintaining work in Mayport.

Working in so many different locations

presents both opportunities and challenges. With an increase in work comes more responsibility for every single one of us. This is a good thing – and we must all work hard to continue to support these efforts and provide the superior work and service our customer is accustomed to.

Thank you all for stepping up to accept these challenges. If we all work together as one to work efficiently, keep costs low, and provide a quality end product, we will keep winning more work. Our future depends on it.

We are thankful for the work we are awarded and never take it for granted.

Please remember that as you work—along with quality, schedule and cost—safety is a top priority. Never compromise your safety while at work. Safety is everyone's business.

On behalf of the entire Repair management team, thank you for all the work you are doing. We are maintaining our reputation as a quality repair entity – and for that we should be very proud.

Keep up the great work.

Sincerely,

Dave Carver

NASSCO NEWS BRIEFS

Bay State Christening and Delivery

On Saturday, September 17, NASSCO shipbuilders hosted a christening ceremony for the fourth ECO Class tanker for American Petroleum Tankers (APT). U.S. Representative Juan Vargas spoke at the ceremony, and the ship's sponsor, Mrs. Melissa DeVeau, christened the ship with the traditional break of a champagne bottle alongside the ship. Miss Natalia Hodge, daughter of Production Supervisor William Hodge, served as the ceremony's Flower Girl.

The ship was delivered during a special signing ceremony on September 26.



NASSCO Shipbuilders Christen and Launch the Constitution



On Saturday, August 27, NASSCO shipbuilders celebrated the christening and launch of the *Constitution*, the sixth ship in a series of eight eco-friendly tankers constructed or under construction at NASSCO.

As part of the ceremony, the ship's sponsor, Mrs. Cristin Thorogood – wife of Dan Thorogood, SEACOR Ocean Transport president – christened the ship with a traditional champagne bottle break over



the ship's hull. Mrs. Sandi Dunkel, a NASSCO employee for nearly 25 years, pulled the trigger to release the ship into the San Diego Bay. Lila Casora, another longtime NASSCO employee served as the ceremony's shore removal honoree.

Miss Amanda Renee Nelson, daughter of Temp Services Bradley Nelson, was the ceremony's Flower Girl.



"The construction of a ship represents an entire community of highly-trained and highly-skilled individuals working together – from design conception to delivery – toward a common purpose: to revolutionize the future of American shipping with the construction of innovative, cost-saving, and environmentally-sound vessels.

The christening and launch of a ship represents the hard-earned efforts of this community. It's the first time a ship enters the water – and it's another milestone toward the delivery of a quality product that will service our nation's maritime needs for decades to come."

*-Kevin Graney,
Vice President and General Manager
for General Dynamics NASSCO*

NASSCO-Norfolk Awarded CVN Maintenance Contract

General Dynamics NASSCO-Norfolk was awarded the Mid-Atlantic CVN private sector maintenance contract by the U.S. Navy to perform non-nuclear planning and maintenance work during six Chief of Naval Operations (CNO) availabilities on four Nimitz-class aircraft carriers and one Gerald R. Ford-class carrier, home-ported in or visiting Norfolk, Virginia. The five-year cost-plus-award-fee and incentive

fee contract also includes the ability to provide for any continuing or emergent maintenance repairs on any of these East Coast aircraft carriers.

In addition, NASSCO-Norfolk was awarded a \$23 million cost-plus-award-fee modification for the USS *Harry S. Truman* (CVN-75) fiscal 2016 Planned Incremental Availability, as part of an add-

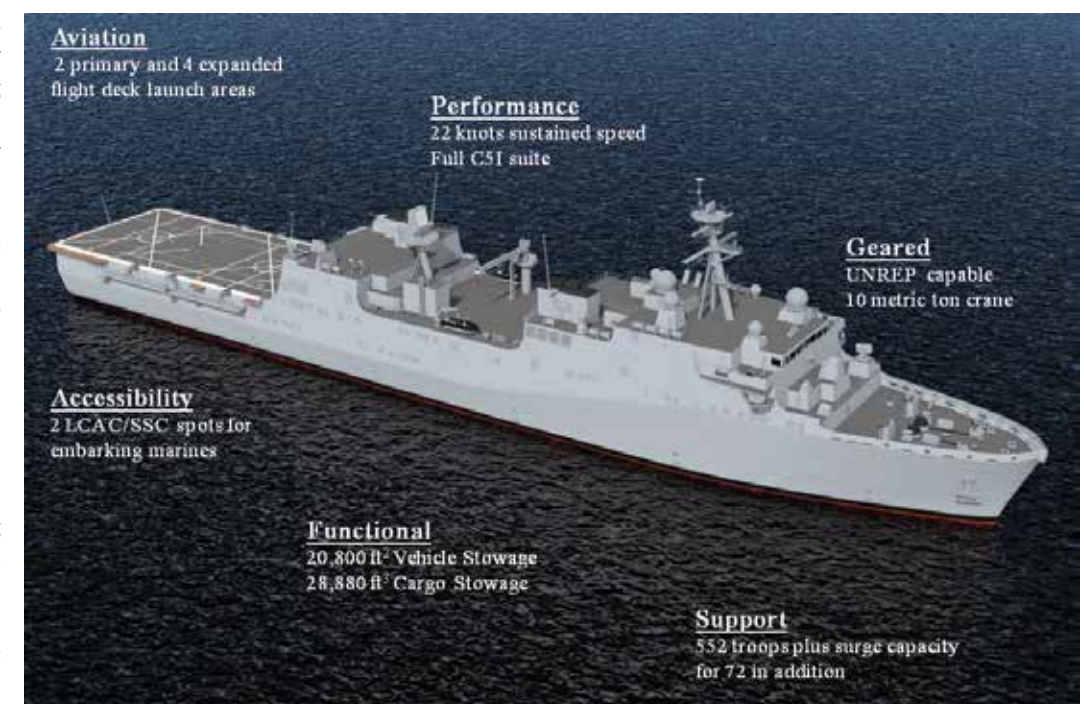
on to a previously awarded contract. Under this contract, the company will provide ship-repair services such as the planning and execution of depot-level maintenance, alterations and modifications that will update and improve the ship's military and technical capabilities. Work will be performed at the Norfolk Naval Shipyard in Portsmouth, Virginia, and is expected to be completed by May 2017.

NASSCO Explores the Amphibious Ship Market

General Dynamics NASSCO has a very diverse and successful history of designing, building and repairing the highest quality ships afloat. That history has been shaped by customer and industry demands. Recent examples include design and construction of the world's first LNG fueled containership here in San Diego. Like our history, our future will be shaped by a wide range of opportunities.

One such opportunity is the LX(R) Program. LX(R) is an amphibious replacement ship for the Navy's fleet of LSD 41/49 dock landing ships, which are nearing the end of their service life. Amphibious ships transport U.S. Marines and their equipment to conduct expeditionary operations ashore. The program consists of 11 ships being built between 2022 and 2035, with detail design and construction efforts beginning in 2020.

Driving to get the highest quality ship, at an affordable cost, the Navy contracted with NASSCO and HII to evaluate alternate design concepts and develop cost reduction initiatives over the past 4 years. For the Navy, this effort increases competition to drive down costs while at the same time expanding the amphibious shipbuilding industrial base. To date, NASSCO has applied its expertise in modern and innovative shipbuilding techniques to identify tangible cost reductions, such as an optimized general arrangement, while also improving modularization and producibility. In addition, NASSCO has provided alternative equipment recommendations that meet specification requirements, while being more affordable.



The Navy recently awarded NASSCO a contract to continue design work and preparations for the upcoming LX(R) program. Over the next six months, NASSCO Engineering along with Navy design team will develop these early design ideas into the ship specification. This effort is strategically important as NASSCO looks to expand its capability from a commercial and auxiliary shipbuilder into the adjacent market of amphibious shipbuilding. While much work must be completed to be prepared to build an amphibious ship at NASSCO, our capability and reputation in designing and building affordable, compliant, high-quality ships is a distinct competitive advantage the Navy needs. Like our history shows, a diverse and successful future requires NASSCO to be flexible and adaptive to our customer's needs.

General Dynamics NASSCO to Build Two Containerships for Matson

General Dynamics NASSCO has contracted with Matson Navigation Company, Inc. for the design and construction of two Kanaloa Class liquefied natural gas (LNG)-capable containerships with roll-on, roll-off capability.

The 870-foot-long, 3,500 TEU containership design provides the capability to transport containers, automobiles and rolling stock, including trailers. Using proven design standards, the design incorporates LNG-capable main and auxiliary engines, which are compliant with Tier III emission requirements. The design accommodates future installation of a LNG fuel gas system.

Construction of the first containership will begin in early 2018, with deliveries in 2019 and mid-2020, respectively. The ships will be constructed at the NASSCO shipyard in San Diego.

"We are pleased to be working with NASSCO again on new vessels for Matson. NASSCO's deep history and reputation for quality give us confidence that these new ships will be the most advanced efficient and productive vessels in our fleet," said Matt Cox, president and CEO of Matson. "Our last NASSCO vessel, RJ Pfeiffer, has been a mainstay of our Hawaii service and we look forward to adding the superior performance of these new Kanaloa Class vessels to the fleet."

NASSCO Shipbuilders Host Keel Laying Ceremony for the USNS Hershel “Woody” Williams



On Tuesday, August 2, NASSCO shipbuilders hosted a keel laying ceremony for the future USNS *Hershel “Woody” Williams*, the U.S. Navy’s second Expeditionary Sea Base (ESB) currently under construction at NASSCO.

The ship’s namesake, Hershel Woodrow “Woody” Williams, spoke at the ceremony, and his two daughters, Tracie Ross and Tracie Ross, welded their initials onto the keel of the ship. Williams, a retired U. S. Marine, received the Medal of Honor for his actions in the Battle of Iwo Jima during World War II. He is the last surviving recipient of the Medal of Honor from that battle.

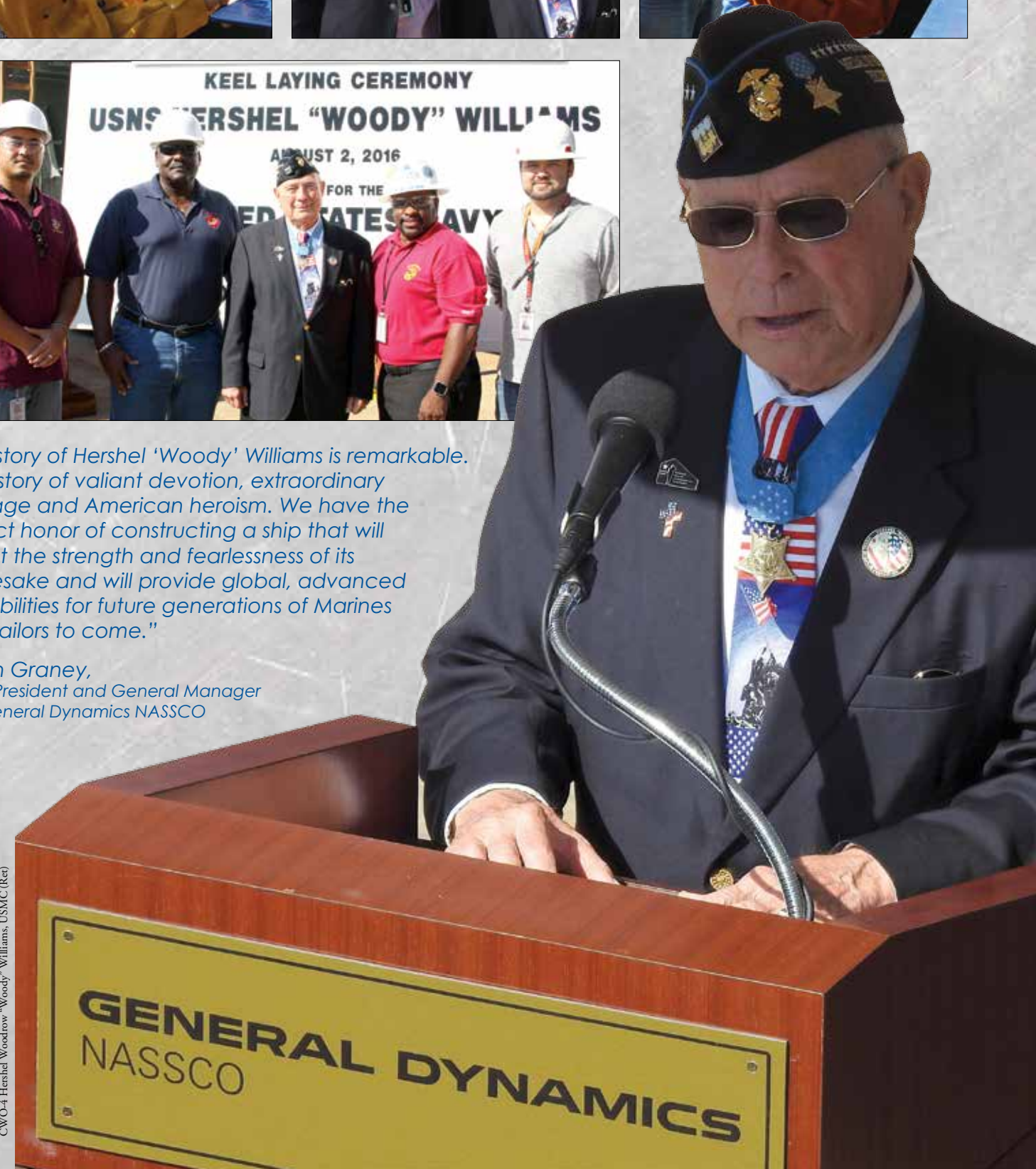
Many dignitaries and fellow Medal of Honor recipients attended the ceremony, including retired Marine Corps Colonel Robert Modrzejewski, a Medal of Honor recipient recognized for his conspicuous gallantry during the Vietnam War; Senior Chief Special Warfare Operator (SEAL) Edward Byers, Jr., a Medal of Honor recipient recognized for his efforts during a hostage rescue in Afghanistan; and Brigadier General William M. Jurney, Commanding General, Marine Corps Recruit Depot, San Diego.



“The story of Hershel ‘Woody’ Williams is remarkable. It’s a story of valiant devotion, extraordinary courage and American heroism. We have the distinct honor of constructing a ship that will reflect the strength and fearlessness of its namesake and will provide global, advanced capabilities for future generations of Marines and sailors to come.”

*-Kevin Graney,
Vice President and General Manager
for General Dynamics NASSCO*

CWO4 Hershel Woodrow “Woody” Williams, USMC (Ret)



PDP PROFILES



Trent Hellman

When did you start at NASSCO?
July 2015.

What brought you to NASSCO?
One of my peers at school recommended that I take a look at the Professional Development Program and after speaking with NASSCO at one of Cal Poly's career fairs, I was immediately interested in the opportunities available. I liked the possibilities that such a program presented, and decided that no matter the outcome, the experience would be invaluable for my future career.

What were your previous jobs prior to NASSCO?
While in college, I worked as a shop technician in the Cal Poly Mechanical Engineering Machine Shops. This position played a critical role in my education, as I was exposed to the manufacturing side of engineering and was a great supplement to my coursework. Prior to that, I worked as a foreman for Hellmann Construction Company in Boise, Idaho, which first introduced me to a supervisory role.

What rotations have you had as a PDP?
During my time as a PDP, I have rotated through: Planning, Repair Production, SOC 6 Steel, Waterfront Services, Accuracy Control, Safety, Program Management Office, SOC 6 Onboard, and Supply Chain Management. I am currently in Project Engineering.

What have you learned as a PDP?
Coming from a non-maritime background, the learning curve was naturally greater. However, throughout my time at NASSCO, I have sought to develop a balance of learning that encompasses both the details of the ship building industry and the mechanisms involved in a business. Perhaps the greatest lesson I have learned is the importance of communication, and networking. The relationships and people I have met along the way are crucial to personal development and success. The program has been a great experience that has provided insight into possible career paths, and the channels necessary to be successful. The important part is finding your niche, which you both enjoy and are challenged on a daily basis.

What degree do you have and where did you go to school?
I received a Bachelor's degree in Mechanical Engineering from Cal Poly-San Luis Obispo.



Thomas Kilkenny

When did you start at NASSCO?
August 2015.

What brought you to NASSCO?
I had actually never heard of NASSCO and didn't know anything about the maritime industry while in college. While in college I thought would end up doing metallurgy, but NASSCO was recruiting at a career fair my school held. After learning more about NASSCO and the PDP program, it seemed like a great opportunity to learn a lot and develop myself at a good company.

What were your previous jobs prior to NASSCO?
While in college I had a co-op with a metal forging company in northern Illinois. During my time there I functioned as a metallurgist/quality engineer/metallographer and got my first introduction into the heavy manufacturing industry.

What rotations have you had as a PDP?
I have rotated through Repair Administration, Repair Production, Safety, Engineering, Program Management Office, SOC 6 Onboard, Supply Chain Management, Accuracy Control, and Planning. I am currently in SOC 3 Outfitting.

What have you learned as a PDP?
In the year that I have been here, I have learned so much that it's hard to quantify. As I said earlier, I knew nothing about the maritime industry before coming to NASSCO. Obviously I have learned a lot about shipbuilding and the maritime industry since I have been here, but more universally I have learned the importance of work relationships and knowing how a company works. I have met lots of people in my time at NASSCO and have developed a better view of how each of those people, doing their day to day work with their daily challenges, work together to successfully build or repair a ship.

What degree do you have and where did you go to school?
I attended California Polytechnic State University in San Luis Obispo and received a Bachelors of Science in Materials Engineering.



Alex Waller

When did you start at NASSCO?
August 2015.

What brought you to NASSCO?
NASSCO had my attention from when they came to my school interviewing for internship positions. I came to San Diego the summer prior to my senior year for an internship and greatly enjoyed the experience. Besides simply liking ships, the shipyard gave me the opportunity to put my Marine Systems Engineering education to good use in an interesting and fast paced industry, and enjoy the San Diego weather.

What were your previous jobs prior to NASSCO?
While attending school I worked as a lifeguard and IT technician and did odd jobs including roofing and landscaping. I completed internships with FMC Biopolymer as an Instrumentation and Automation technician and with NASSCO in SOC 5 On-Block and Rigging Engineering.

What rotations have you had as a PDP?
Since starting the program I have completed rotations in: Rigging, Initial Design Naval Architecture, Repair Production, Safety, SOC 4 Outfitting, Planning, SOC 6 Steel, SOC 6 Onboard, and Project Engineering.

What have you learned as a PDP?
During my short time in the PDP program, I have already gained a huge amount of knowledge about the shipbuilding industry, and working with people of all personalities. Rotating through departments gives you a fairly complete view of the process, and the truly massive amount of work that goes into building a ship. Two of the most important skills I've developed are adaptability and communication. The teamwork and relationships you build are what makes construction successful. With the variety of problems to occur, knowing who to speak with to resolve the problem in a quick manner while maintaining quality is one of the most important things I've learned.

What degree do you have and where did you go to school?
I graduated from Maine Maritime Academy where I received a Bachelor's degree in Marine Systems Engineering.

GENERAL DYNAMICS NASSCO

Dear Colleagues –
By now you probably noticed a difference in the design and layout of this edition of The Shipbuilder.
Later this year, our team will roll out the latest and greatest branding strategy document from our corporate headquarters at General Dynamics. The purpose of the updated branding guide is to provide you with the tools needed to conform with brand management. After all, you are a brand ambassador of this company.
Why is it important that we brand? Because it's who we are. It's our identity. And it helps others identify us and the work we do. As such, we have better aligned the design of The Shipbuilder to better reflect the updated branding guide.
It is our priority to ensure we adhere to the brand that is General Dynamics NASSCO – and it is our job to make sure you have the tools needed to succeed in doing this. Please do not hesitate to reach out to anyone of us should you have questions or comments about this new change to take place later this year. We can also be reached at communications@nassco.com.

- Your General Dynamics NASSCO Communications and Public and Government Relations Team

Dennis DuBard 
Staci Ignell 
Xenon Alidag 
Kurt Otto 

PERFORM EVERY DAY

12th Annual Safety Champion Awards



The 12th Annual Safety Champion Awards were held in June. Awards were presented to 20 out of the 41 mechanics, supervisors, and teams who were nominated as safety champions. These individuals distinguished themselves as champions of NASSCO's Total Safety Culture through:

- SIG Membership and Contributions
- Personal / Crew Injury Rates
- Safety Process Improvements
- Audit Team Participation
- Audit Results
- Leading Indicator Safe Site Results
- Hazard Identifications and Resolution
- Training / Communication Activities
- Improvements to Processes, Procedures or Equipment
- Housekeeping / 5S Activities that Support Safety
- Gang box / Safety Gram / 5-Minute Meeting Contribution
- Specific Acts of Actively Caring



THE COMMITMENT
TO SAFETY THESE
INDIVIDUALS HAVE
DEMONSTRATES THAT
SAFETY IS VALUE
THAT THEY TAKE
WITH THEM EVERY
DAY IN THEIR WORK.
CONGRATULATIONS
FOR BEING
CHAMPIONS OF
THE TOTAL SAFETY
CULTURE!

AWARD RECEPIENTS:

1. Lisa Smith, Electrician – Repair
2. Al Dyer, Fitter/Ship Trainee A – Steel
3. Raul Canizales, Pipe Welder – Mechanical Outfitting
4. Mario Limon, Pipefitter – Mechanical Outfitting
5. Jesus Ramirez-Marin, Supervisor Production – Mechanical Outfitting
6. Moises Arrona Rodriguez, Abrasive Blaster Wkg Frmn – Blast & Paint
7. Mary Ellis, Electrical Tech Wkg Frmn – Electrical
8. Peter Hoyles, Instrumentation Tech – Electrical
9. Eulalio Ruvalcaba, Supervisor Production – Electrical
10. Jesus Barragan Gonzalez, Fork Lift Operator – Transportation
11. Ernie Arellano, Crane Operator-Dt – Steel Yard
12. Maintenance Team
 - Victor Aramburo, Maint Electrician
 - Kevin Beckum, Maintenance Machinist
 - Jaime Castor, Supervisor Maintenance
 - Jaime Gutierrez, General Supervisor Maintenance
 - James Nowak, Maintenance Machinist
 - Miguel Damian Valenzuela, Maintenance Machinist
 - Herberto Villarta, Maintenance Electrician
 - Carl Whitaker, Supervisor Maintenance

CVN JP-5 Tank Crack Weld Repair

By: Dave Hastings, Repair Program Manager

NASSCO's Repair Department recently completed the USS *Carl Vinson* FY 15 Planned Incremental Availability (PIA). One critical path item was to repair a cracked weld on a bulkhead in JP-5 Tank 8-108-6-J and preserve the tank. Initially, the crack appeared to be only eight inches long but after completing the blast of the tank and removing the coating system, it was determined that the crack was just over 21 feet. Adding to the problem was the fact that the crack was on a bulkhead that was adjacent to an inaccessible foam filled void.

Once we had identified all of the issues, we put a team together to come up with a plan. The first issue we had to tackle was how to deal with the foam in the adjoining space that was inaccessible. One possible solution was to cold cut an access and remove the foam in way of the repair, but this would result in great cost in both schedule and maintenance dollars. We contacted the foam vendor who informed us that the foam was fire retardant and if we kept the foam below 350 it would not delaminate from the steel. With that in mind we needed to develop a plan that didn't involve cutting an opening in the void and disturbing the foam.

NASSCO representative William Benjamin was tasked to set up a replica in our shop to monitor the welders and determine how long they could weld without exceeding 350. With strip heaters in place and using two non contact digital thermometers, Ben was able to determine that we could weld for about one minute without going over the 350 threshold. One minute of weld time translated to about two inches in weld distance. Our plan going forward was now to weld for one minute at a time and then move to a different

location and follow the same process incrementally.

Another issue that we had to resolve was the fact that was JP-5 fuel had seeped into the weld crack. To fix this problem we drilled holes into the weld about every foot and installed strip heaters on both sides of the crack so any JP-5 could evaporate out of the holes.

With these issues now resolved it was time to execute our plan. As always, safety was our number one goal. While work was being performed we had a safety observer ensure all of the criteria for hot work safety were met at all times. The safety observer timed each weld and moved far enough away for the next weld so the temperature stayed below 350.

Our plan worked and the NASSCO CVN repair ship fitter and weld team successfully completed the 21 feet of

weld repair on schedule, under budget, and without any injuries. This was the first time work of this nature has ever been done to a San Diego-based aircraft carrier.



SHOP DEMO



BE PREPARED

Operation: Bring Fort Worth Home

By: Charlotte Acklin, Production Associate

Operation "Bring Fort Worth Home" has come to a close: the Littoral Combat Ship (LCS), USS *Fort Worth*, began its journey home in August.

In January 2016, the ship experienced significant damage to the ship's propulsion system which side-lined her from further operational activity. Soon after, General Dynamics NASSCO was contracted by the U.S. Navy to assist in repairing the ship.

The damage was incurred on one of the ship's combination gears intended to regulate the gas and turbine engines. Immediate actions were taken to scope the extent of the damage. Led by the Southwest Regional Maintenance Center technical experts, the expected twelve to 16-month repair was reduced to five months. NASSCO answered the Navy's call for assistance by providing uninterrupted deckplate support, trade



expertise, and a highly effective distance support team.

Leadership and teamwork were essential to completing the repairs on time and under budget. The entire scope of work was performed in Singapore and was managed by a team of NASSCO employees, augmented with original equipment manufacturers,

San Diego and local Singaporean subcontractors. As outlined in the previous edition of *The Shipbuilder*, the NASSCO LCS efforts are managed by a dedicated On-Site Team stationed in Singapore.

We look forward to seeing the USS *Fort Worth* again when she returns to NASSCO for scheduled maintenance.

Installation of the Over the Horizon Missile

By: Wade Moundoux, Area Manager II

In February 2016, NASSCO's Engineering Design Services and Ship Management teams – along with the planning yard (NASSCO sister company Bath Iron Works), conducted a walk-through to prepare for the installation of the Over The Horizon (OTH) missile.

This was NASSCO's first introduction to OTH. The Ship Alt was designed to be installed in four phases.

The first phase began in May. Work included pre-fabrication, initial layout, and installations of foundations onboard the ship. At the end of May and June, ship riders were sent to sea to continue cable and equipment installation, as well as the pinning of the cables. When the ship returned to San Diego in June, the final installation of cables and foundations were completed.



The last availability was conducted in July in Hawaii. Work included the final connection of cables and final bolting and adjustments to the blast shields. The ship got underway on July 12 with the mission to load out the missiles for a test fire during the recent RIMPAC exercise.

On July 19, the USS *Coronado* successfully fired the missile. Now that the system is functional, it becomes a game-changer for

the U.S. Navy to have this additional firepower onboard an LCS class ship. During the 65-day installation period, NASSCO spent approximately 30,000 man hours, pulled 5,700 feet of cable, installed 1,760 cable pins, and accomplished 2,500 linear feet of welding.

Spotted in the Yard



Joshua S.



Jorge S., Chad P., Raymond D.



Pablo H.

Safety Jeopardy = Winning

By: Sherry Eberling, Safety Management System Specialist

I’LL TAKE PPE FOR \$200.

The 12 Area Site Implementation Groups (ASIGs) met head to head in a stiff competition battling lightning fast reflexes and safety knowledge to emerge as the 2016 Safety Jeopardy Champions.

The goal of the competition was to improve safety awareness in a fun way. Each ASIG was provided a list of 460 questions and answers covering topics from PPE, 5S, confined space, emergency preparedness, to the Safety Roadmap, and the Total Safety Culture to prepare for the competition. The competition enhanced employees knowledge of safety topics and will help



make NASSCO a safer place.

Over the course of three weeks in August the ASIGs met in the John Lyle room of the Alaskan Queen to vie for the chance to move

through the brackets. Duke Vuong, safety manager, emceed the competition with the aid of his department members acting as judges, time keeper, and scorekeepers. The team eagerly awaited the decision of a correct questions met by sounds of applause or the disappointing sound of the Homer Simpson “doh” or the judges red flag. Some ASIGs ran away with the board while at other competitions it was a nail biter until the end.

A special thanks goes out to the creators of the Safety Jeopardy trophy: Efren Acosta, Eduardo Mata, Raul Canizales, Jeff Hall, Mario Principato, Arturo Gonzalez and Kelly Montilla.



TEAMS

2nd Shift: Robert Rabino, Kevin Beckum, Mathew Waynes, Orlando Garcia, Froylan Marroquin, Mike Osuna

Maintenance: Terry Lane, Armando Zavala, Esteban Ortega, Bill Lenth, Frank Hernandez

Planning / Engineering: Mike Sinex, Alejandro Uribe, Dave Samudio, Carl Colditz, Patrick Matthews, Katie Urbas

Repair: Michelle Hill, Lisa Smith, Alberto Mota Jr., Nancy Lessman, Serafin Mendoza, Katherine Giuffre, Christi Alvarado

Rigging: Ramane Resilire, Chance Ritter, Derel Meadows, Rob Ruddock, Roger Harrell

Shops: Josh Bellinger, Peter Hoyles, Vince Esqueda, Jorge Aujang, Darrel Pointer

SOC 1 & 2: Devin Dawson, Steve Coney, Matt Briasted, Milani DelRosario, Abe Ramirez, Armando Washington, Jorge Ruiz

SOC 3: Martin Matthew, Abigael Ramos, Rogelio Cota, Sergio MacComish, Eric Icke

SOC 4: Jesse Hennings, Carly Pinkham, Ricardo Baez, Juan Rico, Dante Servin

SOC 5: Mark Lendy, Romel Ledezma, Marcus Heard, Al Dyer, Danny Meza

SOC 6: Tammy Miller, Chad Pearce, Ramon Cabal, Jessica Gonzalez, Mary Ellis

Transportation / Warehousing: Darrin Spence, Jose Barrios, Ralph Edwards, Cesar Vargas, Nathy Saludes



NASSCO Fire Conducts Annual Auto Extrication Training

By: Daniel McKissick, Firefighter Lead



Firefighters are constantly training to ensure they are properly prepared for any emergency situation. In August, the NASSCO Fire Department held its annual auto extrication training. As part of the exercise, firefighters used hydraulic power and hand tools to simulate a rescue from an entangled motor vehicle accident. The training exercise was conducted by NASSCO Fire Department’s training officer, Alex Martinez.

The vehicle was donated by NASSCO’s Transportation Department.



SECURE OUR FUTURE

T-AO 205 Program

By: Brandi Cropper, T-AO Program Manager; Justin Chin, T-AO Deputy Program Manager; and Kevin Collins, PMO Intern

In 1986, the Henry J. Kaiser hit the water as the first of 15 T-AO 187 ships to join the U.S. Navy's fleet. Its mission was to deliver fuel and dry stores through underway replenishment to its customer vessels. With an expected service of 35 years, the first ship of the fleet now finds itself at 30 years of dedicated service and in dire need for replacement to meet modern day requirements. NASSCO has been working closely with the Navy for the past several years to develop and support the new construction of the T-AO 205, the next generation of Fleet Replenishment Oilers. The new T-AO 205 ships will serve a critical role in daily operations providing fuel, food and repair parts to the Navy Fleet ensuring they have the logistical resources to fulfill their missions and complete longer deployments at sea without coming into port.

The T-AO contract award on June 30, 2016 for the first six ships serves as a testament to the hard working people of our organization who brought this work to our yard. The first of six planned T-AO 205 ships will commence construction in 2018 with delivery expected in 2020. This start date allows for two years of design and material procurement to support the construction plan. The current program reflects one ship delivery per year with the sixth ship delivery date in 2023. Our long term goal is to achieve success on our current contract and ensure that the remaining 11 ships of the class are also procured from NASSCO. The complete 17 ship T-AO 205 program provides a steady workload for the shipyard to build on for many years.

T-AO 205 as the first of its kind in the new line of Navy oilers will be named after civil rights activist John Lewis. Lewis who grew up in rural Alabama took interest from an early age in fighting for his rights as an African American. Participating in many peaceful protests Lewis is best known for his role in the march across Edmund Pettus Bridge in Selma Alabama, ultimately contributing to the historic 1965 voting rights act. Lewis continued to push his attributes of leadership and courage forward to where he serves now as a member of Congress representing Georgia's fifth district. The demonstration of sound values and his lifelong commitment to freedom will bring pride to the new fleet of T-AO 205 ships.



CONTINUOUSLY IMPROVE

General Dynamics Manufacturing Symposium

By: Bob Liddell, Senior Manufacturing Engineer



For the 2017 Manufacturing Symposium, the 'Call for Papers' has already been sent out (August 2016) within each of the Business Units (Bath Iron Works, Electric Boat, European Land Systems, Gulfstream, Jet Aviation, Land System, NASSCO, Ordinance & Tactical Systems, Mission Systems and Information Technology) requesting short summaries of completed projects that have demonstrated tangible and significant benefits. The General Dynamics Lean Committee will review the submissions in October and select the top 28 for presentation at the Manufacturing Symposium in Tampa, Florida.

At the Symposium this year, we had four abstracts presented:

- Energy Savings at Your Fingertips – Facilities/Maintenance
- Main Deck Cable Pull through Conduit Evolution – Electrical Planning
- Reduction of Hazardous Waste Generation – TIMSA
- Utilization of Lean Tools to Reduce Power Consumption – TIMSA

The Manufacturing Excellence Award went to a combined effort from Parker Larson (Director Commercial Programs) and Kelly Christiansen (Assistant Manager for Steel) shown above accepting the award with Kevin Graney (VP/GM) and General Dynamics Chairman and CEO Phebe Novakovic.

These presentations can be found on the NASSCO Content Server at Enterprise/Lean Manufacturing/Manufacturing Symposium/2016 Manufacturing Symposium/Symposium Presentations or you can contact Bob Liddell at rliddell@nassco.com.

Value Stream Mapping (VSM): A Tool for Collaboration and Improvement

By: Steve Murray, Manager for Continuous Improvement
and Bob Liddell, Senior Manufacturing Engineer

Everything we do has a **process** that takes inputs, performs actions and returns an output. By understanding the elements of a **process** as to what **value** is and what **waste** is allows us to **improve**.

Value Stream Mapping (VSM) involves getting people together to identify in detail each step in a process to evaluate those steps to see if as a team we can improve that process in terms of waste elimination.

Value Added: is a step in a process that brings a product closer to its final form, i.e. it changes the form, fit or function, it is an activity the customer is willing to pay for and is done right the first time. Examples are first time welding or drawing creation.

Non Value Added: is a step in a process that does not bring a product closer to its final form, it does not change the form, fit or function, is an activity the customer is

not willing to pay for and may not be done right the first time. Examples are rework or defects. These are considered as wastes.

Business Value: also known as no value added, but by the nature of the working conditions are still required e.g. crane travel, scaffolding, temporary lighting, formal inspection and reviews.

Continued on next page.

Continued from previous page.

Below are the eight deadly wastes (known as **TIIMWOOD**) associated with manufacturing processes:

8 TYPES OF
MANUFACTURING
WASTE

- Transportation
- Inventory
- Intellect
- Motion
- Waiting
- Overproduction
- Over-processing
- Defects

A recent example of a successful VSM project was facilitated by NASSCO Lean Specialists Christina Ramirez and Jose Mora of Planning:

Subject: PCI (Pipe Insulation) – NASSCO Process for Planning
Team: Detailed and Master Planning, Operations, PCI, Test and Trials, Area and Ships Management
Metrics: Labor Hours and Cycle Time

• **Problem Statement (shortened)**

In SOC 6, PCI requests scaffold to install/modify pipe insulation after the Production Information (PI) created by planners has been issued to production. Requests made after the fact may lead to re-work, new work not captured on the PI or insufficient budgeted hours.

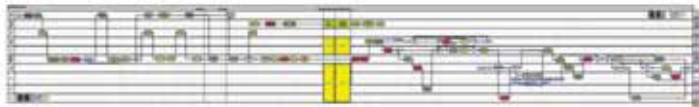
• **Objective Statement**

The goal for this project is to standardize the process for planning and incorporate PCI pipe insulation process into the build sequence for commercial and government contracts.

Value Stream Map – Current and Future States

The team documented the Current State process, brainstormed that existing process for improvement to develop the Future State process. Through the compounding effect of group brainstorming “1+1=3,” stimulated through the process of collaboration achieved best results for all parties.

CURRENT STATE



FUTURE STATE



The New Future State Process identified 17 Process Improvement Initiatives (PII) for NASSCO and PCI action. Savings will be realized on remaining ship programs, including: ECO, ESD-ESB, T-AO and on.

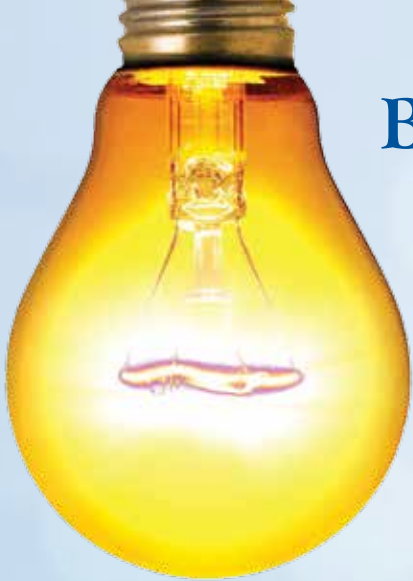
SEVERAL OF THOSE PII’S ARE SUMMARIZED BELOW:

- Provide to PCI NASSCO’s Outfit Design for Producibility Manual to show how we design piping systems and their breakdown.
- Make enhancements to the Planning for Producibility Manual to include unique scaffold requirements, sequencing for onboard pipe testing, scheduling of on ground windows for muffler/silencers.
- Add key insulation activities, such as exhausts into Total Schedules, and develop work packages to eliminate undocumented “tribal” knowledge/activities.
- Planning to provide hand colored pipe test system diagrams to PCI for their early planning and visibility per pipe test loop.
- PCI will identify and share with the Paint Department drawings showing paint/no paint required vent ducts.
- PCI to provide list of insulated systems to SOC 6 Pipe Test Planner to integrate those into schedules to prioritize testing.

- PCI to identify insulation by zone durations, to replace current standard/generic durations in Total Schedules.
- Incorporate the use of Design Manager electronic mark-ups by PCI to replace hand mark-ups to improve communication/ reuse between PCI and NASSCO.
- Invite PCI to Total Schedule review meetings.
- PCI will coordinate with Waysmen directly for scaffold needs and inform Area Management.
- Create formal notifications by email of trade zone handoffs to PCI.

VSM is a powerful tool that delivers positive results through collaboration!

If you would like any assistance or training in conducting VSM contact smurray@nassco.com or rliddell@nassco.com.



Brainstorming: A Tool for Continuous Improvement

By: Steve Murray, Manager for Continuous Improvement

BRAINSTORMING: WHAT IS IT?

Brainstorming is a tool used by teams for creative exploration of options in an environment free of criticism. Brainstorming includes seven simple steps:



THE BENEFITS OF BRAINSTORMING:

- Creative “1+1=3” the compound effect of the group is greater than the individual
- Generates a large number of ideas
- Will generate good PII’s
- All team members involved
- Sense of ownership in decisions
- Leads to problem solutions

GROUND RULES AND APPROACH

Pick the topic

- Could be a new process idea, rework problem, or customer issue
- What’s eating your lunch?
- What in your daily job is frustrating?
- What could you/we do to make your job easier or safer?

Identify a facilitator to run the session

- Use a Lean Specialist (most departments have several)
- Note: It doesn’t have to be the boss!

Find a quiet location where everyone can be heard

- Group size up to 12 is okay, less is better

Get the group together who you wish to participate in the brainstorming session

- Write the problem/idea you are trying to solve to the group on a board or flip chart
- Answers from the group should be short and quick
- Let everyone speak, don’t force people (put folks at their ease)
- If you don’t have an idea say “pass”

Display ideas as presented

- You can write them down or use post it notes on a board or flip chart
- No real discussion
- Don’t criticize
- Build on others’ ideas
- Speed is important (set a time limit if necessary)
- Eliminate duplicates

Discuss and evaluate ideas (PICK)

- Can often be done by a splinter group after the brainstorming session
- Pick the best solutions (payoff and difficulty can be in scales you choose)
- Use consensus and prioritization to choose

Implement those solutions

Recognize success

- Follow up with the group to status the results of the brainstorming session and implementation
- Keep people informed, let them know their participation has been valuable

RECENT EXAMPLES

The following groups in recent months at the Operations PII Forum are using brainstorming techniques that are generating great ideas through group discussions:

- Trident (Kaizen Events/Problem Solving discussions)
- Electrical (Conducting weekly PII group meetings with mechanics and supervisors)
- Blast, Paint General & Temp Services (Weekly PII meetings with hourly employees)
- PCI (All Superintendents spend eight hours minimally a month working with the crews PII specific)
- Maintenance, Facilities & Central Tool Control (PII Harvesting, via discussions to improve efficiency, safety, cost performance, etc.)

FOLLOW UP

If you would like assistance or training in conducting brainstorming sessions contact smurray@nassco.com or rliddell@nassco.com

EMPLOYEE CORNER

SIGNs = Sports & Interest Groups at NASSCO

2016 SOCCER CHAMPIONS



2016 DECATHLON TOURNAMENT

1st Place: Moneyball

2nd Place: Plan 2 Win

3rd Place: PDP



2016 SOFTBALL TOURNAMENT

1st Place:
The 56ers



FINAL PRESIDENT'S CUP TOURNAMENT EVENT

October 23, 8:00am: Beach Volleyball at Mission Beach

*Interested in participating in an upcoming SIGNs event?
Contact Katie Urbas in the planning department.*

Get Moving!

How NASSCO Shipbuilders Stay Healthy

In August, NASSCO employees participated in the 7th Annual Lung Cancer Association's "Free to Breathe" Run/Walk as part of a continuation of the 2016 NASSCO Fitness Challenge and NASSCO

Wellness Program. A special thanks to Kaiser for their support and to all who participated as part of Team NASSCO. Keep running!



NASSCO Employees, including members of the NASSCO Fire Department, each climbed more than 110 stories to honor the memories of the lives lost on September 11, 2001.

2nd Quarter 2016: Kaiser Health Appraisal Winners

SHIPSHAPE FOR LIFE



Congratulations to Paul Christy and Jesse Baez, recipients for this quarter’s Kaiser Health Appraisal drawing!

In addition to receiving \$50 Gift cards for completing their Kaiser Health Appraisal, Paul and Jesse were picked for the 2nd Quarter 2016 drawing to choose from the following as their prize: a TV, digital camera, or iPad.

Make an appointment for any Wednesday or a designated monthly Saturday at Otay Mesa for your Kaiser Health Appraisal by calling the numbers below:

(619) 544-7538 • (619) 544-8488 • (619) 544-8866



STAYING SHIPSHAPE
FOR LIFE IS EASY.

- 1) Make an Annual Health Appraisal
- 2) Commit to eating more fruits and veggies
- 3) Commit to choosing an exercise that is fun for you and the family
- 4) Don’t forget to spend time doing something that you really enjoy, it is all about balance!



United Way Update: Giving Back Feels Good

A tremendous thank you to everyone who participated in this year’s United Way fundraising campaign. Every year, this campaign provides participants with the opportunity to give to a charitable organization of their choice or to support

any of the various United Way programs through payroll deduction.

All NASSCO employees who established a new contribution or increased an existing contribution by a minimum

of \$1 per week were included in an opportunity drawing to win tickets to Disneyland, Sea World, Knotts Berry Farm, and the Birch Aquarium. A total of 14 recipients were randomly selected to win.



Fidelity is offering one-on-one consultations at no cost to NASSCO employees.

These are consultations that cover many topics such as retirement planning, saving and investing and financial counseling. Please contact NASSCO Benefits to schedule an appointment for any of the following dates:

- October 26 and 27
- November 21 and 22
- December 12 and 13



American Red Cross Blood Drive at NASSCO

A huge thanks to all employees who were able to give during our most recent American Red Cross Blood Drive on August 9 and 10. NASSCO gave a total of 50 pints of much needed blood to help save lives in San Diego County. The following two employees were picked from a drawing and received two adult tickets to Disneyland:

Ruben Griffin – Compliance Auditor
Dale Simpson – Senior Designer

Stay tuned for the next American Red Cross Blood Drive coming to NASSCO.

WE’RE PLANNING TO HAVE A NASSCO Health Fair WITH KAISER AND SIMNSA.



OCT. 28, 2016
10:30 AM – 11:30 AM
2:30 PM – 4:30 PM

Learn more about:

- Diabetes
- Smoking Cessation
- Blood Pressure Checks
- Weight Loss
- Cholesterol Screenings
- Biometrics, etc



OCT. 27, 2016
10:30 AM – 11:30 AM
2:30 PM – 4:30 PM

Learn more about:

- Diabetes
- Smoking Cessation
- Blood Pressure Checks
- Weight Loss
- Cholesterol Screenings
- Biometrics, etc

There will be handouts and giveaways at both events!



Your moment is coming soon.

✓ Know your options.

✓ Find your answers.

✓ Make a plan.

Annual Enrollment is
November 16, 2016 through December 2, 2016

GENERAL DYNAMICS
NASSCO

Chili Cook-Off!

Employees located at the Mission Valley offices held their annual Pre-Labor Day Chili Cook-Off Event – a friendly (and tasty!) competition between ISD, Purchasing, and Finance/Accounting. Employees submitted all sorts of chili for their colleagues to try, including: Bison Spicy Chili, Mexican Chili, Puerto Rican Chili, Spicy Explosive Chili, Tofu Chili, Tri-trip Chili, and others. Congratulations to this year’s champions: Jerry Slovak and Shawn Trent of NASSCO’s Cyber Security Division... their Tri-Tip Chili was a crowd favorite!



2016 NASSCO Dependent Scholarship Recipients



Each year NASSCO awards two scholarships to the dependent children of active hourly and salaried NASSCO employees. Recipients are eligible to receive \$2,000 per school year.

Congratulations to this year's recipients: Dreame Lenoir and Enrique Escalante!

Dreame plans to study biochemistry with a focus on regenerative medicine and stem cell research this fall at the University of Nevada. Dreame's dad is a pipefitter in the Repair Department.

Enrique plans to study Business Administration this fall at Cal Poly University San Luis Obispo. Enrique's father is a production supervisor in the Steel Department.

Honorable Mention: 30 Under 30 for Manufacturing Engineering

Congratulations to NASSCO's Russell Brent, who recently received an honorable mention for Manufacturing Engineering's 30 Under 30 program. The program features individuals who

continue to make significant contributions to science, technology, engineering, mathematics, and manufacturing through their work.



Birth Announcements



Sofia Victoria Nunez
Born: March 23, 2016
Mother: Christina Camacho,
HR Administrative Assistant

2016 STAR AWARDS

Congratulations to Armando Gomez and Jose Parades, finalists for the 2016 Star Awards to be presented at the Society of Hispanic Engineers' national conference in Seattle, WA this November.



Back to Basics with Export Definitions

By: Petia Pavlova, Export Compliance



There are a handful of widely-used export compliance terms which are often misunderstood. Thorough understanding of key definitions is important in ensuring compliance with the laws and regulations which invoke them.

- "Export Administration Regulation" (EAR) – administered by U.S. Department of Commerce and regulates the export of dual-use items (items with both commercial and military functions) and low-sensitivity military items. NASSCO's TAO-205 and Expeditionary Mobile Base (ESB) are subject to the export jurisdiction of the EAR.
- "International Traffic in Arms Regulations" (ITAR) – administered by U.S. Department of State and regulates the export of sensitive military items. NASSCO's LX(R) and Repair contracts are subject to the export jurisdiction of the ITAR.
- "U.S. Person" – according to EAR and ITAR, an individual who holds a valid U.S. Green card or has U.S. citizenship.
- "Foreign Person" – according to EAR and ITAR, an individual who does not hold a valid U.S. Green card nor has U.S. citizenship. When access to NASSCO's network is being requested for a Foreign Person employee or subcontractor, a duly authorized Export Licensing Coordinator (ELC) has to sign and approve the request before it is submitted to ISD.
- EAR License – an export license required under the EAR and most commonly used to authorize Foreign Persons NASSCO employees, suppliers or subcontractors to work on TAO-205 and ESB.
- ITAR License – an export license required under the ITAR and most commonly used to authorize Foreign Persons NASSCO employees, suppliers or subcontractors to work on LX(R) or Repair contracts.
- "Technical Assistance Agreement" (TAA) – is one of three main ITAR license types. TAAs are simply export licenses filed by NASSCO's Export Compliance Dept. TAAs are not contractual documents nor are used in qualifying suppliers. The fact that a supplier is on NASSCO's Qualified Suppliers List (QSL) does not mean that applicable export licenses are already in place. Obtaining a TAA is a separate and distinct activity from placing a supplier on the QSL.

Should you have questions regarding additional export compliance definitions or need more information on those presented above, Petia Pavlova (ext. 1131) and Keith Londot (ext. 8802) are always available and happy to assist.

Our Commitment to a Drug-Free Workplace

By: Connie Lundgren,
Assistant Manager, Labor Relations



While marijuana use for legal medical purposes has become more prevalent in California, employees must remember that NASSCO is a drug-free facility dedicated to making a safe work environment for all employees. Although it may be legal from a criminal law perspective to use or possess marijuana with a valid prescription, it remains prohibited in our workplace. Being under the influence, having marijuana (or THC) in your system or in your possession while on NASSCO premises (including the parking lots or out-of-the-yard worksites), violates the Company's Substance Abuse Procedure; a positive test will disqualify an individual for employment or continued employment with NASSCO.

Any employee needing assistance with a drug or alcohol problem should contact the Labor/Employee Relations Department.

We are here to help!

We are located in Building 1 and can be reached at (619) 544-8506.

Follow us on Social Media



GENERAL DYNAMICS
NASSCO

NASSCO Retirees



WE WISH
YOU...

*Fair Winds and
Following Seas.*

Deena D. Alexander
August 3, 2016
26 years
Data Coordinator

Randy Miller Allen
July 29, 2016
8 years
Maintenance Machinist

Carrie Lynn Bennett
September 2, 2016
10 years
Administrative Assistant

Tony M. Bratton
May 27, 2016
24 years
Supervisor Production

Gregory Alan Bryant
July 6, 2016
10 years
Sr. Estimator Repair

Bryant C. Callihan
June 3, 2016
42 years
Design Specialist

Alex Chavez-Sanchez
June 30, 2016
20 years
Rigger

Lee Anthony Dunecliff
July 29, 2016
20 years
Manager Production Engineering

Cynthia Leigh Eisenhart
June 3, 2016
17 years
Jr. Estimator Repair

Fernando Figueroa
August 31, 2016
27 years
Pipe Welder

Robert Orval Foelschow
July 29, 2016
10 years
Warehouseman

Mario J. O'Neil
August 26, 2016
24 years
Electrician

Daniel Pena
July 1, 2016
30 years
Maintenance Machinist

Benjamin Vinarao Robles
July 29, 2016
14 years
Crane Operator AA

Ana L. Rodriguez
June 30, 2016
38 years
Assistant Manager
Production Control

Henry H. Rodriguez
February 27, 2015
40 years
Assistant Manager Steel

Ruben Roman
July 6, 2016
40 years
Ship Manager Repair I

Jack L. Siems
July 29, 2016
38 years
Pipe Fitter

Ramon G. Tellez
May 19, 2016
43 years
Machine Operator A

Antonio B. Villena Jr.
August 31, 2016
21 years
Sr Material Support Technician

Larry R. Weitman
September 16, 2016
40 years
Crane Operator AA

Robert Franco
May 27, 2016
25 years
Temp Services Electrician

Ricardo C. Gomez
August 12, 2016
25 years
Fork Flatbed Trailer Driver

Douglas Whitmer Hart
May 27, 2016
19 years
Manager Outfit Warehouse

Mark S. Himango
July 6, 2016
22 years
Engineering Specialist

Julius G. Leano
July 11, 2016
23 years
Electrical Tech

Naomi Lewis
June 30, 2016
27 years
Accounts Payable Analyst

James C. Morgan
June 17, 2016
36 years
Sr. Estimator Repair

NASSCO PRESIDENT'S CUP

VOLLEYBALL TOURNAMENT

Sunday, October 23 • 8:00am

South Mission Beach Park • N Jetty Rd, San Diego, CA 92109

Organization

Finance/Business Affairs Andre Haghverdian, Paul Christy
PDP Carter Brown, Igor Kovtun
Planning Justin Matti, Bryan Ruiz
Programs Parker Larson, Lindsay Van Antwerp
SCM Amanda Curtin, Travis Saam
USJ Alex Castellon
SOC 3 Ben Gravador, Eric Icke, Juan Mandujano
Paint/Ways Hector Padilla, Erik Rodriguez

Team Contacts



New Players and
Teams Welcome!

GENERAL DYNAMICS
NASSCO

STAY IN THE
KNOW
AT NASSCO



Sign up to receive text messages containing important company information, including:
Weather updates | Important shipyard events | Important shipyard news

TEXT "NASSCO" to 95577

Opt-in Terms Summary Terms & Conditions: Our mobile text messages are intended for subscribers over the age of 18 and are delivered via USA short code 95577. You may receive up to 4 message(s) per month of text alerts. Message & Data Rates May Apply. This service is available for phones with text messaging capabilities, and subscribers on AT&T, Verizon Wireless, T-Mobile, Sprint, Virgin Mobile USA, Cincinnati Bell, CommuniD Wireless, United, US Cellular, and Boost. For help, text HELP to 95577 or email: stacy.gardner@nassco.com. You may stop mobile subscriptions at any time by text messaging STOP to short code 95577.

By participating, you are allowing the General Dynamics NASSCO Communications Department to send text messages to that assigned device. The participant will be responsible for any charges associated with receiving or sending text messages.

In Remembrance

Dennis M. Atkinson

Active
May 26, 2016
6 years
EDS Engineering Support Specialist

Kenneth W. Baker

Retiree
September 14, 2016
21 years
Area Manager 2

Richard L. Box

Retiree
June 7, 2016
24 years
Supervisor Production

Ismael A. Chavez

Retiree
July 6, 2016
15 years
Waysman A

Anna Maria Cooper-Alexander

September 19, 2016
5 years
Supervisor Labor Relations

John Edward Harris

Active
September 17, 2016
9 years
Guard

Bernabe De Leon Jr.

Active
July 16, 2016
7 years
Outside Machinist

Elwood G. Johnson

Retiree
July 19, 2016
22 years
Production Foreman

Robert L. Johnson

Retiree
May 5, 2016
31 years
Shipbuilder

Alberto V. Moreno

Retiree
August 16, 2016
25 years
Pipefitter

John E. Opdenaker

Retiree
July 18, 2016
32 years
Firefighter

Ernest L. Rea

Retiree
July 7, 2016
37 years
Senior Engineer

Charles A. Reed

Retiree
June 28, 2016
21 years
Shipbuilder

Charles V. Romanowski

Retiree
July 26, 2013
26 years
Painter Leadman

Apolonio P. Samson Jr.

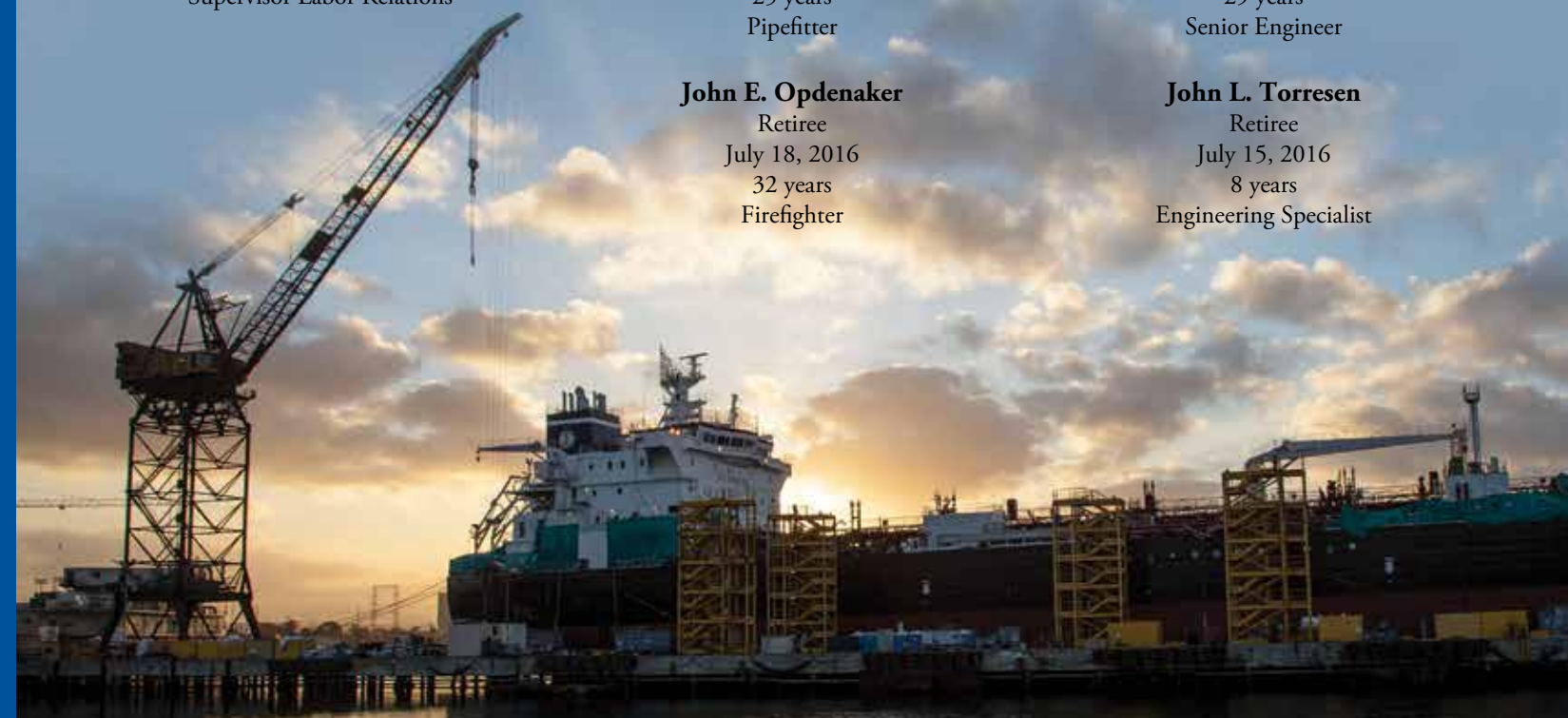
Retiree
July 30, 2016
29 years
Code Welder

Kenneth M. Smith

Retiree
June 9, 2016
29 years
Senior Engineer

John L. Torresen

Retiree
July 15, 2016
8 years
Engineering Specialist



NASSCO IN THE COMMUNITY

Operation Clean Sweep

On August 27, members of NASSCO's Community Cleanup and Restoration Committee (CRC) were among 1,314 individuals who participated in the San Diego Port Tenants Association Operation Clean Sweep. Working together, nearly 27,000 lbs of waste was removed from 12 locations throughout San Diego. NASSCO's CRC took charge of the J Street Marsh area in Chula Vista.

Coastal Clean Up

In September, the CRC partnered with I Love A Clean San Diego for their annual Coastal Cleanup Day to clean-up the California coastline – in particular along the shoreline of the D-Street Fill in Chula Vista.



"A big thank you to everyone who participated in this great event. Together we are working to make sure San Diego stays beautiful!"

– Catalina Gonzalez, Executive Assistant, NASSCO Human Resources and CRC Member



Thank you to NASSCO's CRC for taking the initiative to make our communities better places to live and play.



NASSCO Welcomes Local Students Back to School

To kick off the 2016 school year we partnered with BAE Systems, Continental Maritime Of San Diego (CMSD), and the Port of San Diego Ship Repair Association to deliver sports equipment to Our Lady’s School in Barrio Logan. The delivery included soccer balls, basketballs, kickballs, baseball bats, hula hoops, and much more, to help fulfill the school’s needs for the year.

As part of our ‘Back to School’ efforts, we also donated new tech equipment to the Monarch School’s new STEM facility. Monarch is located in Barrio Logan and serves students who are impacted by homelessness.



Volunteers Wanted! DEC. 3 MONARCH STUDY SESSION

For many years NASSCO has been a proud community partner of the Monarch School in Barrio Logan. On Saturday, December 3, we are volunteering to support their Saturday school breakfast and tutoring program.

Volunteers are needed to help prepare a continental breakfast and tutor high school-aged kids in a variety of subjects, if needed. If this sounds like a volunteer opportunity you might be interested in, please contact Staci Ignell at staci.ignell@nassco.com or at x3560. Volunteers must be willing to stay for the entire duration (8:30am to 1:00pm). Only eight volunteer slots are available.



SAVE THE DATE

Annual NASSCO Holiday Toy Drive

Benefitting Barrio Station and the Good Neighbor Project in Barrio Logan

- Donate new, unwrapped toys for children ages 6-12
- Donate new, unused clothing for boys and girls
- Donate art supplies (sketch pads, markers, crayons)
- Donate new, unused stuffed animals
- Donate cash or gift cards from local retail stores

November – December 2016

GENERAL DYNAMICS
NASSCO

RECENT NASSCO VISITORS



1. U.S. Maritime Administrator Paul “Chip” Jaenichen
2. Congressman Scott Peters, Congresswoman Susan Davis, Congresswoman Loretta Sanchez, Congressman Darrell Issa, and Congressman Mike Turner
3. General Dynamics Chairman and CEO Phebe Novakovic
4. California State Franchise Tax Board
5. GroundWork Team
6. Representatives from Global Point Travel
7. Workshop for Warriors Board of Directors
8. California State Senator Ben Hueso
9. Rear Admiral Craig S. Faller, Chief of Legislative Affairs for the Secretary of the Navy, and Rear Admiral William J. Galinis, Program Executive Officer, Ships
10. Representatives from American Airlines
11. Rear Admiral Loren Selby, Chief Engineer and Deputy Commander for Ship Design, Integration and Naval Engineering (NAVSEA)
12. General Dynamics Chairman and CEO Phebe Novakovic
13. U.S. Senate Military Liaison Staff Delegation
14. Dr. Janine Davidson, Undersecretary of the U.S. Navy
15. General Dynamics Board of Directors



NASSCO-BREMERTON

NASSCO-Bremerton 2nd Annual Company Picnic



More than 90 NASSCO-Bremerton employees celebrated at the 2nd annual company picnic on Saturday, July 23 at Evergreen Rotary Park. At the water's edge, this beautiful park includes a large play area for kids, beach access, a boat launch, walking paths and a 9/11 memorial.

Employees were treated to barbecue from the Sweet and Smokey Diner. True to its name, the menu included BBQ chicken, ribs, brisket, macaroni and cheese, beans, corn bread, watermelon and peach cobbler for dessert. Employees and their families enjoyed horseshoes, corn hole and basketball while the kids had fun with water balloons and bubbles in the summer sun. Many attendees also won door prizes!

Special thanks to Colleen Godwin, Derrick Hern, David Cordodor, Julie Sudlow, and Deborah Pasilis for all the time and effort put into making this event such a success!



NASSCO-Bremerton Achieves Major Milestone

By: Jordan Brown, QA Manager

SUCCESSFUL QUALITY MANAGEMENT SYSTEM (QMS) PROGRAM AUDIT BY NORTHWEST REGIONAL MAINTENANCE CENTER (NWRMC).

NASSCO-Bremerton recently achieved "satisfactory" results with no major nonconformance as a result of its first Quality Management System (QMS) program audit which was conducted by Northwest Regional Maintenance Center (NWRMC) during February and March.

NASSCO-Bremerton's team lead, Randy Colson, said this about the significant milestone, "Our team has dealt with many issues from our start up in 2014. Seeing this unit develop from where we were when commencing USS *Nimitz* Planned Incremental Availability (PIA) in February 2015 to where we are now has required

focus from our entire Project Management Team. The team has pulled together to work with our customer to ensure all expectations are met. This is an unprecedented result for a first year business unit to have NO major nonconformance and only three minor administrative issues. I am very proud of our team and the results."

Jeff Hansen, Director of Quality for NASSCO-Norfolk added, "[These are] fantastic results; it's almost unheard of not to have any majors. Job well done."

NASSCO-Bremerton's Quality Assurance Department is led by Quality Assurance

Manager Jordan "JD" Brown. JD was selected to develop the Quality Assurance (QA) program in December 2014. "We've come a long way from where we were and have developed a great team. Eric Westlake does an exceptional job as our QA Supervisor, James Kea built our Welding / NDT program from scratch and qualified as NDT Level III Examiner, and Chris Mays is our Senior SSPC Quality Control Specialist - NACE Level III Inspector and leads our paint program. These three have been key to building our QA programs. Our NDT program is supported by Andrea Redfearn, Phil Looker, and Paul Evans, great additions to the team late last year."

With the ground work in place, NASSCO-Bremerton is committed to achieving our Quality Policy, which states:

NASSCO will consistently provide products and services that meet or exceed the requirements and expectations of our customers. We will actively pursue ever improving quality through programs that enable each employee to do their job right the first time and every time.



Social Media and Protecting the NASSCO Brand

Here are some guidelines regarding social media engagement as an employee of NASSCO:

- The same rules that are found in NASSCO's policies apply to your online activities. All employees must abide by the company's policies prohibiting harassment, discrimination, and retaliation.
- Avoid posts that might constitute harassment, bullying, or abusive conduct.
- Maintain the confidentiality of NASSCO's trade secrets and proprietary business information. Do not disclose NASSCO trade secrets and proprietary information in your social media posts. This information should never be made available to people outside the company.
- Respect all copyright, trademark, and other intellectual property laws.

- Be fair and courteous to customers, contractors, suppliers, visitors, and people who do business with NASSCO.
- Online posts should never include statements, photographs, videos or audio clips that are violent, obscene, threatening or intimidating to other employees, customers, contractors, suppliers, visitors, or the public.
- Refrain from posting personal communications during paid working hours.

These guidelines should help you make responsible decisions about your use of social media. If you have any questions about the use of social media as a NASSCO employee, please contact Connie Lundgren, Labor Relations at (619) 544-8824 or connie.lundgren@nassco.com.

NASSCO-NORFOLK

The Diesel Shop Will Travel

By: **Ralph Keating, Superintendent Machinery,**
and Katrina McBride, Valve Technician



NASSCO-Norfolk ship repair, like any other highly competitive market, demands experience, adaptability, tenacity, and an exceptional quality of work to fulfill our commitments to the customer. These ideals were carefully considered when starting the diesel program at NASSCO-Norfolk six years ago. Since that time we have successfully repaired or overhauled 96 diesel engines. Each job has presented its own unique set of challenges which has continually improved our work process.

Until recently those challenges never included traveling more than 12 miles down the road. This was especially true when relating to the realignment of the MPDE crankshaft onboard the USS *New York*. When tasked with the diesel engine work onboard the USS *New York* our team immediately started the planning and implementation of an engine overhaul including an MPDE crankshaft alignment over 600 miles

away from home, at NASSCO-Mayport.

Picking up shop and temporarily relocating more than half of our mechanics, supervisors, and support staff was not a small feat. The need for a highly trained team with the ability to service multiple ships in different locations simultaneously was one of the keys to executing this volume of diesel work. However, we had yet to test our capabilities to this magnitude. During the course of the last eight months it has become apparent that the



challenges of a job over 600 miles away are not much different than completing a job at home. In order to optimize our effectiveness in jobs near and far our employees are placed in specialized roles to enhance productivity. When each individual has a specific area of responsibility pride in ownership is realized in a group setting which ensures that we are providing the best possible service.

EHS Employee of the Quarter

By: **Don Roof, Health and Safety Manager**



David Jackson was recently selected as the NASSCO-Norfolk Environmental, Health and Safety (EHS) Employee of the Quarter. He was recognized for his efforts to reach across departmental boundaries, professionally build open lines of communication within the EHS Team, and for his continuing commitment to maintain trust and confidence with both his colleagues and most importantly with Company customers. David has over 30 years of experience in shipyard work, including tank cleaning, project management, piping system maintenance, and EHS compliance. He has been a dedicated NASSCO employee for over six years.

In his role as Health and Safety Inspector, David's primary duty is to conduct ship inspections to look for EHS discrepancies that pose EHS risks to people or the environment. He looks for any deviations from regulations required by OSHA, our company or our customer, such as temporary service plans, walking/working surfaces, hot work, fire prevention, and housekeeping, just to name a few. When David does need to talk with someone about an issue, he is well regarded for his calm and cool demeanor and for treating everyone with respect. Fellow employees often call David "Mr. Jackson" because he is adamant about addressing employees with the respectful titles of "Mr./Ms./Mrs.," so they return the courtesy by calling him "Mr."

David has cross-trained with EHS Supervisor, Stephen Davenport, to learn vessel defueling procedures and recently assumed responsibilities for management of the respirator fit-testing program. He also oversees a portion of the Mobile Industrial Equipment (MIE) program and issues fork-lift licenses after employees have passed all of their requirements for operation. All of these skills that David has acquired help him to support the Company's goal of "delighting our customer," both internal and external ones.

In his spare time he is an avid bass guitarist, playing in bands at church and with other groups. When he's not taking care of the house or doing chores, he enjoys spending time with his wife, daughter, extended family, and friends. Thank you David for your hard work, and congratulations on being selected as the EHS Employee of the Quarter for the second quarter of 2016!

USS George H.W. Bush PIA Success

By: **Kevin Sweeney, Project Manager**

NASSCO-Norfolk completed an extensive repair and preservation package on USS *George H. W. Bush* (CVN-77) PIA, which concluded with successful sea trials in July. NASSCO converted the ship's forward and aft VC/MSD systems to VCHT.

This massive Ship Change Document (SCD) included the replacement of 20 ejector pumps, the overhaul of four discharge pumps and four transfer pumps, as well as the reconfiguration of the forward and aft pump rooms. NASSCO also structurally modified a sponson void in order to create a new two-deck CIWS space, including complete fabrication of a weapons magazine and local control room.

NASSCO's Outside Machine Shop saved a significant amount of money by proving that a required stern dock modification SCD rendered the stern dock inoperable. This discovery led to a fleet-wide cancellation of the SCD. In addition to these repairs, NASSCO oversaw the successful preservation of 33,000 square feet of flight deck nonskid as well as the entire exterior of the island with the Navy's preferred polysiloxane coating



system. NASSCO-Norfolk's excellence in both project management and production enabled us to complete this enormous work package on schedule, including meeting all milestones, and played a part in allowing NASSCO to retain the East Coast CVN Private Sector Maintenance contract for an additional five years.



Oyster Garden Harvest

By: Clint Spivey, EHSMS Specialist

General Dynamics NASSCO-Norfolk successfully completed its first year of oyster gardening at the Ligon St. yard and it was a huge success! Approximately 1,000 oysters were grown from a size

of about one millimeter in length to one to three inches over the course of the year. The harvest was collected by the Chesapeake Bay Foundation (CBF) in June and the oysters were immediately transferred to various sanctuary oyster reefs in the Chesapeake Bay or nearby tributaries. The oysters grown at Ligon St. were transferred specifically to Scott's Creek in Portsmouth, Virginia where they will continue to filter local waterways for years to come and spawn new generations of oysters in coming seasons.

Oysters are nature's natural pollution preventers. They play a vital role in maintaining good water quality by consuming suspended algae and sediment. The algae are used as food and the sediment is packaged with the oyster's natural waste where it settles to the bottom, thereby clearing the water column. One oyster can filter up to 50 gallons of water each day! Virginia's natural oyster population has been decimated through the years due to overharvesting and disease from the introduction of non-indigenous oysters. As a result of these and other factors, water quality in the Hampton Roads area

has greatly suffered. Recent efforts, such as CBF's Oyster Gardening program, have helped to begin the restoration of *Crassostrea virginica*, Virginia's native oyster.

Many creatures were found living alongside the oysters throughout the year. Oyster cages provide opportunistic habitats and employees have observed all kinds of critters during regular cage maintenance and cleaning activities, including blue crabs, pea crabs, gobies (small fish), shrimp, clam worms, sea squirts, and even a small seahorse family! As the oyster population in the Chesapeake continues to improve, so does the water quality. Evidence of this improvement was witnessed in a dramatic way in early 2016 when the nearby Lafayette River was removed from the state impaired waters list.

Due to NASSCO-Norfolk's success in managing current oysters, the shipyard was entrusted with an additional eight cages for a total of 14 cages for the 2016-2017 growing season, and the garden is already off to a great start. The 4R Earth Committee and Facilities Department are responsible this year for tending to the garden. The oyster gardening program is a permitted activity, but is open to anyone who has waterfront access.

Learn more on CBF's website at <http://www.cbf.org>



NASSCO-Norfolk Welcomes USS Oak Hill

By: Ben Butler, Senior Project Manager

On August 16, the USS *Oak Hill* (LSD-51) pulled into NASSCO-Norfolk for a Phase Maintenance Availability. After much anticipation, the pier side docking was accomplished seamlessly marking the beginning of production work for a MSMO contract with an expected completion date in the Spring of 2017.

During the availability, the project team will oversee basic maintenance, modernization, and repair with a focus on Consolidated Afloat Networks and Enterprise Systems, Modifications, Navy Multiband Terminal, Ship Self-Defense System, Navigation Sensor

System Interface System, and Switchboard Upgrade. NASSCO-Norfolk will be performing significant repairs to Main propulsion diesel engines and Ships service diesel engines. The flight deck and forecabin will receive new nonskid. Diesel engine jacket water recovery tanks will be fabricated and installed and is the first in class to receive this MOD.14 tanks are scheduled for preservation, anticipate additional tanks to be added upon government inspection.

NASSCO-Norfolk stands ready to execute this availability with Safety, Quality, Cost, and Schedule Milestones met.



Updates to Export Compliance Procedures

By: Petia Pavlova, Export Compliance



NASSCO-Norfolk and NASSCO-Bremerton share two Export Compliance Procedures: Export/Import Control Policy, NN-05-101-1, and Export Compliance Process, NN-05-101-2. These documents were recently overhauled to bring them in compliance with new U.S. Government export requirements and to better describe the robust export control processes in effect in the yards.

Export/Import Control Policy defines key export compliance terminology and establishes the responsibilities of those employees whose job functions intersect with relevant U.S. export regulations. Some note-worthy terms defined here are "Technical Data", "Export", "U.S. Person", "Foreign Person" and "Public Information".

Export Compliance Process references all forms to complete and guidance to reference before engaging in export transactions. Forms/guidance worth emphasizing are Export Communication Protocol which lists the requirements of external communication of export-controlled data to foreign persons; Foreign Person Visit Request to complete before allowing a foreign person visitor, supplier or

subcontractor on NASSCO's premises; International Shipping form to complete when shipping hardware/tangible items out of the United States. This procedure also describes at length the step-by-step processes in place in Security, Human Resources, Supply Chain Management and Engineering to prevent unauthorized exports.

Regardless of whether your department is specifically mentioned in one of the two export procedures, all NASSCO employees are expected to understand and comply with them when sharing or sending export-controlled data or hardware to foreign persons.

Copies of both Procedures are located in NASSCO-Norfolk portal under the Documents tab (Corporate Policies).

Should you have any questions regarding the content of the Procedures, please contact Larry Ehmer at lehmer@nassconorfolk.com or ext. 3469, or Petia Pavlova (San Diego yard) at petia.pavlova@nassco.com or (619) 744-1131.



NASSCO-MAYPORT



Supporting the Wounded Warrior Project

By: Karl Harldsonn, General Manager, NASSCO-Mayport

NASSCO-Mayport Purchasing Manager Kenneth Cuyler, CDR, SC, USN (center) proudly accepts a plaque from Samantha Hauser, Abatix Regional Manager (left) and Mike Malevan, Abatix Sales Rep (right) for a contribution made by ABATIX to the Wounded Warrior Project on behalf of General Dynamics NASSCO-Mayport.

Ken, a retired Navy Commander, was in Iraq and Kuwait during Operation Enduring Freedom and Operation Iraqi Freedom and has firsthand experience of our wounded warriors and their sacrifices.

NASSCO Provides Input to Improve Ship Repair Strategies

Erica Reinsel from NASSCO-Mayport and Jeff Hanson from NASSCO-Norfolk represented NASSCO at the 2016 (FY2018) Standard Specifications for Ship Repair and Alteration Committee (SSRAC) Quality Management Board (QMB) meeting in August. SSRAC is a government organization primarily responsible for the development, revision, and control of standard specifications for non-nuclear surface ships. The QMB is focused on quality related requirements.

The SSRAC meeting is a valuable opportunity for contractor representatives to provide input and perspective directly to the Commander, Navy Regional Maintenance Center (CNRMC) on proposed changes to the NAVSEA Standard Items that impact our daily work.

A wide range of proposals were discussed during the meeting. The most significant QMB proposed changes were to Standard Item 009-04 "Quality Management System; provide" to incorporate the new ISO 9001:2015. The government and contractor representatives reviewed each line of ISO 9001:2015 to evaluate the impact to Standard Item 009-04.

The discussion proved extremely beneficial as the number of separate

procedures currently required in Standard Item 009-04 were able to be eliminated based on contractor feedback on the actual requirements in the ISO 9001:2015. These procedures duplicated formal documentation in other areas leading to additional administrative burden on the contractors.



The SSRAC meeting also provides an avenue for contractor representatives to collaborate as a team across various regions and companies asking questions and sharing lessons learned and best practices. For example, the contractors discussed current practices

regarding the Standard Item 009-04 requirements related to checkpoint notifications and cases where the Supervisor is not present.

Based on the discussion, the contractors had various interpretations and operations on executing this work on the deck plate. The varying perspectives are insightful allowing the contractor representatives to revisit current practices and determine if any modifications are appropriate.

NASSCO plans to attend future SSRAC meetings as a mechanism for continuously improving the ship repair business.

NASSCO Yards Combine for Main Engine Overhauls

By: Karl Harldsonn, General Manager, NASSCO-Mayport

The first Planned Maintenance Availability (PMA) in Mayport for the Landing Platform Dock (LPD) ship class occurred on the USS *New York* (LPD 21) in 2016.

The work package called for extensive overhauls on all four main engines and reduction gears. Prior to the recent arrival of the amphibious response group in Mayport, corporate knowledge and technical expertise on the East Coast for this ship class resided

with the NASSCO-Norfolk diesel team. Flexibility in shifting key technical competencies between yards to meet changes in demand was central to the successful execution of the USS *New York* PMA.

As a result, the NASSCO diesel crew was cited by Naval project management for their skill and expertise during the availability. Multiple trades from NASSCO-Mayport augmented the NASSCO-Norfolk team to make this a success.



Pictured next to the USS *New York* are the NASSCO team members from both yards who conducted the overhauls.

Row 1: D. Sheehan, A. Nguyen, S. Hill, C. Kessinger, J. O'Berry, S. Gamache, B. Hammonds, E. Paschal, R. Keating, R. Nicholson, D. Handy, J. Coughlin

Row 2: C. Bolden, W. Doty, A. Harper, J. Pittman, N. Ruetsch, N. Reames, M. Perkins, R. Fields, B. Garmany, J. Moss, G. Bunnell, S. Thomas Jr, S. Thomas Sr.

Row 3: J. Wilson, V. Ramoscruz, M. Daye, C. Robinson, B. Solliday, A. Inglett, D. McFadden, LT Cousar, J. Stone, E. Holland



Employee Spotlight:

DORIE HANDY MACHINE SHOP

Dorie, an Outside Machinist, has worked in ship repair for eight years. Born in the small South Jersey town of Bridgeton, he knew early on that he wanted to travel and serve his country.

Dorie entered the Marines at age 18 starting at Parris Island and ending his career at Camp Pendleton. During that time he would spend thirteen months in Vietnam.

He entered the civilian workforce as an employee for Wheaton Glass in Millville, NJ. Dorie left South Jersey to become a Ship Engineer working for McAllister Towing, pulling barges of corn syrup from the states to the island of Puerto Rico for the Bacardi Factory.

Since Dorie has worked at NASSCO-Mayport, we all have relied on his “MacGyver like” talents, both on the ship and in the shop. He is the resident expert on all working parts of our shops golf carts. He can field strip a scrapped cart to parade rest in no time, maintaining an inventory of usable parts to keep others running, saving a lot of money.

Dorie and his wife Annie have been married for 18 years. They have dog named Rocky who is a Siberian Husky/Wolf mix.

GETTING TO KNOW DORIE:

- 1. If you could give the world one piece of advice, what would it be?
Make peace
- 2. If you could have a room full of any one thing, what would it be?
Old cars
- 3. What do you value most in other people?
Love
- 4. If you could choose one of your personality traits to pass on to your children, what would it be?
To be faithful
- 5. What is the best advice you’ve ever given and received?
Do unto others as you would have them do unto you
- 6. What do you value most in life?
Being alive
- 7. Who is your greatest sports hero?
Michael Jordan
- 8. Who do you most admire throughout all history?
Martin Luther King
- 9. Who did you look up to as a child?
My father
- 10. What is your favorite food?
Philly Cheese Steak!



Family Traditions

SUBMIT YOUR FAVORITE HOLIDAY FAMILY RECIPE

Have a recipe or two that was created by a family member and is used every holiday season? In the Winter edition of *The Shipbuilder*, we will showcase various family recipes submitted by shipbuilders themselves.

Provide a brief explanation of the recipe and its history within your family. For example: who created the recipe? Was there a special reason the recipe was created?

Entries should be submitted to communications@nassco.com on or before December 2. Submissions of family photos (especially those taken during the holidays) are encouraged!



RECIPES DUE DECEMBER 2!

GENERAL DYNAMICS

NASSCO

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To submit an idea or an article for an upcoming edition, please email communications@nassco.com.

The next submission deadline is December 2, 2016.

