

GENERAL DYNAMICS
Bath Iron Works

BIW NEWS

Volume 3
2019

Prepping DDG 118 for Launch

INSIDE

New Lights Cut Energy Use / 5

OpEx Saving Time Across the Shipyard / 6,7

Shipbuilders and Families

Celebrate at Open House / 12

Tug's New Features Boost Safety, Utility / 22

UNITED WAY 2019 CAMPAIGN

Together We Can Make A Change

Charitable gifts and endeavors are every personal decisions. Each year my family and I debate where and how much money we should donate. So many worthwhile organizations do good work in the world.

Often, the catastrophic events attract attention and resources. Frequently, local charities working at home get overlooked. This is unfortunate as these organizations provide tremendous support to our local community – our neighbors, friends and extended families.

When my family and I moved from Virginia to Maine in 2016, we were overwhelmed by community outreach and acceptance. Now we are proud to call Maine home and want to give back to our community.

Working at BIW, I wanted to do something that would benefit the men and women who work here in Bath and the communities where they live. The United Way of Mid Coast Maine was the ideal choice for me. BIW and the United Way have partnered for over 60 years, bringing countless benefits to the Bath community and employees of BIW and their families.

United Way focus areas include: Education, Financial Stability/Basic Needs, and Health because these are the building blocks of a good quality of life for individuals, families, and the whole community. United Way's initiatives work to create long-lasting change in these areas.

When you invest in your community through United Way, you trust the United Way to use the resources well. United Way believes in a high level of accountability because they want to earn and keep the public's trust.

The year we came to Maine, I joined the Audit and Finance Committee of the United Way to provide oversight to the management of financial resources. In 2019, I became the BIW representative on the Board of Directors. The United Way carefully reviews its partner organizations annually to determine where the need is greatest. The vetting process is rigorous. Partner agencies present their programs and financial needs. A panel of United Way volunteers reviews the proposals, listens to presentations, and then makes recommendations on the level of support the United Way should consider.

In this year's United Way campaign we share a video that includes a retired Bath Iron Works employee and a current one who have benefitted directly from United Way contributions.

Former Night Superintendent **Chuck Tarbox** and his wife Tina are getting help from Midcoast Literacy for their granddaughter Cleora. Surveyor **Eric Buckley** and his wife Stephanie receive help from Brunswick Area Respite Care for his mother Jean. Both organizations are among the nearly 40 partner organizations of the United Way Mid Coast Maine.

As the 2019 Campaign kicks into high gear this fall, the United Way is counting on BIW to continue its tradition of strong support.

As a community, together, we can make a difference!

— Scott Zamer



Scott Zamer is the VP of Finance & CFO for BIW. He came to BIW in 2016 and prior to that he was at General Dynamics Corporate Headquarters in Falls Church, VA from 2003 through 2016. Scott lives in Falmouth, with his wife, two middle school children and the family's dog Shadow. The Zamer family loves experiencing all the outdoor activities that Maine offers.



On the cover: A Preservation Technician applies underwater hull coating to Daniel Inouye (DDG 118) as it is readied for its launch this fall.

SAFETY HUB



By Ron Lessard

Learning about safety is part of the job.

SAFETY CHATTER

Safety words and abbreviations heard in the shipyard:

Situational Awareness

Being aware of what's happening around you, and identifying and anticipating potential health and safety threats.

Situational Awareness: Keeping our head in the game

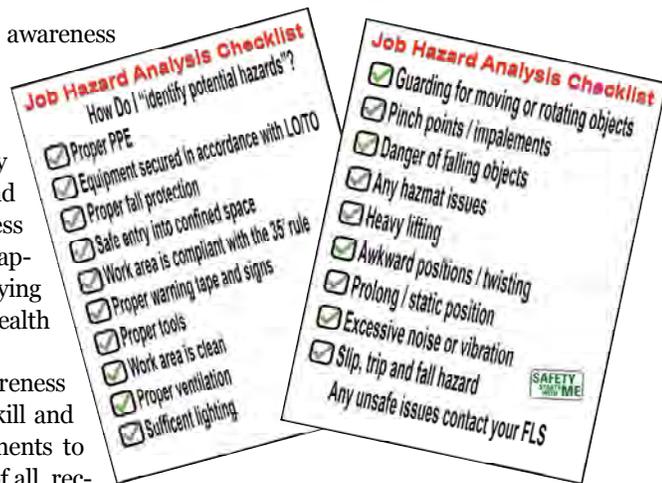
Maintaining situational awareness while we work and move from place to place in the yard is critical to keeping us safe so we can go home and enjoy good times with our families and friends. Situational awareness means being aware of what's happening around you, and identifying and anticipating potential health and safety threats.

I think of situational awareness as more of a mindset than a skill and there are a couple of key elements to developing this mindset. First of all, recognize that threats to health and safety may be present in the immediate environment. Secondly, accept that we must be responsible for our own safety. Working in a shipyard makes situational awareness especially important.

We spend most of our lives walking on surfaces that are engineered to be walked on – floors in buildings, sidewalks, play grounds, parks, etc. In the shipyard, we walk on inverted units where the “walking” surfaces are crisscrossed with structural members. We work on curved hull sections, in tanks, and in other areas that really aren't designed primarily for walking. We walk through the shipyard where forklifts and other industrial vehicles are travelling and performing tasks.

We work in areas where the physical work environment may change from day to day and the tasks being performed around us are constantly changing. Somebody coming into our work area could be exposed to a hazard that we are creating or we could be exposed to a hazard that someone else creates.

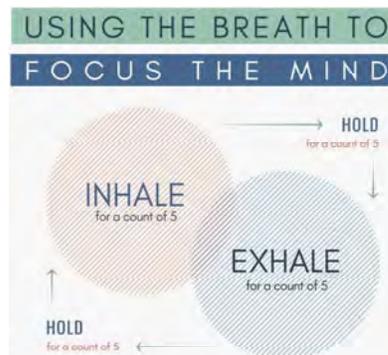
Distraction is Public Enemy No. 1 of situational awareness. Using mobile devices and earbuds anywhere in the shipyard can take your head out of the game. If you need to call or text somebody, find a safe spot, stop and then use your mobile device. Don't talk or text while



walking – even in the walkways. Don't use earbuds in production areas or while walking anywhere in the shipyard. Keep your ears available to deliver warning signals to your brain.

Inattention is Public Enemy No. 2 of situational awareness. You know when you're driving down the road and suddenly “wake up” and realize that you missed your turn a half mile ago? That's what I'm talking about. You weren't distracted by something like your cell phone but your attention certainly wasn't on driving. The same thing can happen to us as we work or walk around the shipyard.

There are lots of tricks you can use to keep your head in the game at work. You can take a few long, deep breaths every few minutes to help you refocus. If you want to get hard core, focus your mind with former Navy SEAL commander Mark Devine's box breathing technique shown below. Another focusing technique you can use is to do a quick check for potential hazards in your work area using your



JHA card as a guide. Situational awareness can be developed by anyone. It has been mastered by our nation's greatest warriors to keep them alive on the battlefield and it's a mindset that each of us at BIW can develop to keep us safe at work.

BIW NEWS

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COMMENTS AND SUGGESTIONS ARE WELCOME

Forward to David Hench at Mail Stop 1210 or by email at david.hench@gdbiw.com.

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INFORMATION CALL LINES

FACILITY/SHIFT

Toll free information on facility status, work shift delays, and cancellations
1-866-630-BATH (2284)

MAIN GATE SECURITY (24/7)

(207) 442-2266

AMBULANCE-FIRE-POLICE

Bath, Main Yard: **ext. 2222**
Hardings, CW, EBMF: **ext. 1222**
Bissons, CROF: **911**; then call **ext.1222**

MEDICAL (207) 442-2231

BIW REC ASSOCIATION

For questions or suggestions regarding BIWRA programs email biwra@gdbiw.com

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General Dynamics Bath Iron Works

EMPLOYEE SPOTLIGHT

TELL US A LITTLE ABOUT YOURSELF?

I'm an Army vet and live in Bowdoinham. I've been married to my beautiful bride for 22 years who I've known since I was twelve. We have four children from a blended family and nine grandchildren – seven boys and two girls.

DESCRIBE YOUR ROLE AT BIW?

My group issues Ship Installation Drawings (SIDs) for Availabilities. We do modernization for ships that need upgrades, such as DDG 56. As a work leader, I assign tasks and focus on keeping people engaged and on track so that we can meet schedule.

WHAT IS THE BEST PART OF YOUR JOB?

Having been in the military, it's rewarding to produce the best product possible for all my brothers and sisters in arms. I also enjoy mentoring design apprentices. Having gone through the apprenticeship program, I have an understanding of what they're going through and can advise them on what happens next. It's great to see them advance in their careers.

WHAT IS THE TOP CHALLENGE THAT YOU FACE IN YOUR JOB?

We have a very diverse group with a lot of work. As a work leader, I need to understand everyone's varying strengths in order to reach a common goal. It's fulfilling to be able to inspire people and help them grow. I have a lot of respect for my team and try my best to let them know they're appreciated.

DESCRIBE YOUR HOBBIES?

I enjoy whittling, drawing and archery. I also like riding bikes and motorcycles.

PETER LABONTE



Title: **Work Leader**

Years with BIW: **38**

Department: **8600 Design**

WHAT IS ONE THING MOST PEOPLE DON'T KNOW ABOUT YOU?

A few years ago, I did tandem skydiving at 14,000 feet in Lebanon, Maine. It was quite the experience and so I went two weeks later to do two solo jumps.

WHAT IS YOUR FAVORITE MOVIE?

I really like *Book of Eli*. At the end, there's a twist that you don't see coming. There's also a part at the end that was incredibly inspiring to me.

ANYTHING ELSE YOU WOULD LIKE TO SHARE?

In my 20s, I had a supervisor who was assigning jobs and there was a special job everyone wanted. He gave it to a person many believed wasn't the right fit, including me. So I challenged him on that decision. Surprisingly, he let me reassign the jobs. After mulling on it a bit, I found I had to assign people the exact same jobs. I realized that often times we're looking through a keyhole. Until you see the whole picture, you don't see anything. You're just speculating. This lesson has helped me a lot in life.

NOMINATE our next employee spotlight today by emailing rebecca.volent@gdbiw.com

New Lights Cut Energy and Save Money While Shining More Light

Electrician **Steve Weber** vacuums metal shavings from inside the housing of an industrial lighting fixture to get it ready to convert to an LED fixture.

LEDs – light emitting diodes– are much longer lasting and are almost 50 percent brighter than the lights that have been in place. They also use less than half the energy.

Once the Temporary Power Shop completes the conversion of 3,200 lights for production areas and for temporary lighting on board ships, the company will be saving \$174,000 in annual electrical costs over traditional lighting, a savings that will likely increase over time as electricity rates rise.

This is the third year of the program, which converted 500 fixtures last year and the same number in 2017 so that 1,000 of the new lights are already in place. “Our plan for 2019 is to retrofit 500 of the lights. Right now we’re about halfway through the overall project,” said **Moe Doyon**, Temporary Services Supervisor.

The payback is almost immediate because Efficiency Maine – a state program that promotes energy efficiency in residential, commercial and industrial uses – provides a \$54 rebate on each conversion kit for a total rebate of \$54,000 each of the last two years.

The conversion is pretty straight forward. Weber disassembles the light, vacuums out metal shavings that have gotten inside, removes a couple of screws to take out the high pressure sodium bulb and installs the new LED in the same location.

The state program aims to encourage replacement of inefficient equipment with state-of-the art energy efficient models to reduce the state’s demand for energy, production of greenhouse gases and the need to build expensive new power plants. The bulbs last two to five times as long as traditional bulbs so need to be replaced much less often.

The new bulbs also don’t produce heat like the traditional bulbs, which can be a



blessing on a hot summer day. “With the LED, you can put your hand on the bulb” said Weber. LEDs also do not generate an ignition source.

Production buildings were the first to be converted and now the shipyard is looking for other potential LED applications. Currently, the Blast and Paint area is experimenting with a type of lighting fixture to see if it can hold up in that extreme industrial environment.

“The light replacement project is delivering greatly improved lighting at a much lower cost for BIW,” Doyon said. “The Efficiency Maine grant is helping us to make this smart, safer and more reliable transition.”



OpEx: Helping Shipbuilders Improve Safety, Efficiency and Schedule

The keys to success are many, but one that clearly is a factor is the implementation of OpEx, short for Operational Excellence, across multiple areas in the shipyard.

What is this “OpEx” anyway? In many ways it’s just a strategy of creating repeatable and visual systems that bring order and standardization to our processes.

Our team at Outfit Fabrication has been at it the longest. Over the last year they have made tremendous progress synchronizing the building of pipe and vent and hull outfit products so that material “flows” through the facility. They have arranged the material into ‘first in first out’ (FIFO) queues so that each mechanic knows precisely what to work on next. If there is something not right with either the part, the design, or the work package, there is a “flow disruption” area where support teams can see there is a problem and rapidly fix it to get the part moving again. The team has other tools to show if they are on time to meet their downstream customer’s schedule needs. It’s Operations, Planning, Material Control and Facilities all working closely together to eliminate our late work items and meet our two ships per year schedule that our Navy is calling for.

Our Structural Fabrication facility has also taken up some of the OpEx principles like FIFO lanes and flow disruption areas while they rearrange and upgrade the facility with new burning machines to provide better material flow.

The team at the Consolidated Warehouse has been busy improving the building layout and conveyer systems to receive, process and store packages and materials more efficiently. They are establishing first in, first out lanes in multiple areas that can provide a quick, visual gauge of progress and show where resources need to be applied. The story on Page 7 shows how new conveyors have streamlined small parcel receiving. Enthusiasm at the CW is high as they apply OpEx to more and more of the CW



Assistant Secretary of the Navy for Research, Development and Acquisition James Geurts visited the Assembly Building this month to learn more about how OpEx is helping BIW meet the Navy’s call for us to deliver two ship per year.

Manager of Pre-Outfit One Brandon Glazier is pictured explaining a chart to Geurts that shows the first few units that took advantage of OpEx processes and their cost and schedule improvements. The secretary, who oversees all ship acquisitions, asked about the impact of OpEx on quality. Glazier said the processes allow teams the bandwidth to focus on quality while still bringing new workers on board.

“The controlled release and presentation of parts and pieces makes the plan of the week more predictable and more executable,” he said. Visual tools provide the ability to know where we are at in the build. OpEx processes also improve flow in a very busy production floor schedule.

“Shipbuilding isn’t necessarily an ‘assembly line’ type of process with the same parts and pieces repeating. This workflow allows unit build sequences to flow more like a normal line at the part/piece level.”

footprint and that is translating into more reliable and timely delivery of materials to Operations.

In the Assembly Building in Bath, the team is also employing OpEx principles, but since the work is performed differently, the OpEx approach is different. The Right Side Up (RSU) team just completed a unit where they used checklists to make sure everything was ready and available weeks before they started the unit. They created a daily schedule that laid out exactly what task was to be done by what trade every day to make sure they supported each other and didn’t interfere. The team also received material in clearly visible daily increments so it was clear to the shipfitters and pipe fitters what to work on next.

The end result is:

- We are building products in shorter durations.
 - We are reducing the number of lates.
 - We are exposing problems that we worked around before so we can fix them once and for all.
 - There is less frustration and more excitement about what we can accomplish.
- OpEx is an approach that provides the tools and vision to accelerate our work flow. Each bit of time saved throughout the shipbuilding process allows a ship to be completed faster and brings us closer to our goal of two ships a year which our Navy customer expects. This progress will again demonstrate our heritage, “Bath Built is Best Built”.

Warehouse Workers: New Conveyors Are Major Improvement

Ergonomic conveyors help CW employees sort parcels as they come into the warehouse.



In the past, when a major shipment of Navy material arrived at the Consolidated Warehouse's small parts loading dock, **Bob Jones** would gradually disappear behind a mountain of packages waiting to be sorted and labeled for inventory processing. It was far from efficient and did not impress our Navy customer. "We are the caretakers of our client's material. When they would come in it was a mess," Jones said. Now, a new conveyor system helps Jones and his coworkers organize the parcels as they come in – with one section for Contractor Furnished material, another for Operating Space Inventory and another for Store Room Inventory. Small packages ordered by BIW and not meant for the Navy are routed onto a separate conveyor.

The conveyors consist of an ergonomic waist-high platform of metal wheels that allow parcels to be shunted easily and quickly to the right area. "We've gone from 280 packages taking four or more hours to process into the warehouse to where it took us less than two hours to do the same volume," Jones said. Implementation of OpEx "is about 65 percent complete. When we're at 100 percent, we should be at a pretty good clip." The changes follow a workstation design analysis of the area, part of the journey toward Operational Excellence, which helped justify the investment in the new equipment.

The crews in charge of inventorying small packages came up with different designs for the improvement layout and scored them against weighted criteria with safety getting the most weight. "One of the most important things we do here is get these guys' ideas off the floor," said **Shawn Perkins**, Materials Manager for Outfit Fabrication who oversees Consolidated Warehouse and tracks the effectiveness of Operational Excellence initiatives. "At the end of the day, these guys own their area," said **Rich Kelly**, Section Manager. "They are proud to see their ideas being put into action."

Jones said more than a dozen employees participated in the analysis and planning of the new 3P Design system and credits Kelly with helping implement the changes. "It was a team effort and everybody was involved," he said. New signs clearly show where different types of material are stationed before being cataloged and put into inventory. That means someone who is not as familiar with the system as Jones and his teammates can fill in in a pinch

and get the material to the right spot. "You can't just have one or two people specializing in something," Jones said. "If they're sick or out who's there to cover?"

Nearby, **Kyle Moore** is responsible for moving hazardous materials in and out of the warehouse. Gas cylinders weighing as much as 300 pounds were being moved multiple times to be weighed, consolidated, stored and retrieved and the pallets used to carry them would often suffer from wear and tear. Just before the future USS Thomas Hudner left, 22 pallets of canisters had to be prepared for transport to the ship. "It took four of us a week to get all the bottles ready for shipping," said Moore, who has been with BIW for five years. "We realized this process was broken."

Moore proposed storing cylinders in steel bottle racks that allow them to be moved and stored more safely and easily into inventory and then back out to the ship that is their final destination. The new system also benefits from a small gantry crane installed in the hazmat area allowing Moore to lift canisters into place and weigh them – reducing the need for forklifts and drivers which are in high demand at the warehouse.

Operational Excellence practices are starting to take hold in Consolidated Warehouse. "As everyone knows, shipbuilding is becoming more competitive globally," Jones said. "We need to improve to become more competitive."



Prior to installing the CW conveyors, a shipment of small parcels would become unorganized stacks of material that then needed to be sorted.

Health Improvements

New Options for Nursing Mothers

Preparing to return to work following her recent maternity leave, Senior Buyer **Megan Blake** was concerned about where to pump at work to continue being able to nurse her baby.

“I pumped in a conference room last time and was walked in on,” she said. In order to continue nursing their babies after returning to work, nursing mothers must pump breastmilk, often twice a shift during the workday.

This time, before her Sept. 18 return, Blake reached out to her Supervisor, **Danielle Olson** to secure a spot.

“I am always concerned about where to find a dedicated, secure location where an employee can pump without being interrupted,” Olson said. She too returned to work as a nursing mom and used a storage room as her spot.

To address these types of concerns, the BIW Benefits Team led BIW to supply a dedicated Mother's Room and to become the first Maine employer to offer stand-alone Lactation Pods by

Mamava.

“These pods are an important asset in continuing to create a culture that supports BIW working mothers,” said **Kiley Cyr**, Manager of Integrated Health Services.

Blake said the addition of the pods and the Mother's Room is welcome news. “Well, everyone will know what I am doing” she laughed, but added: “It does make me feel better, knowing I have a dedicated, clean, secure space of my own.”

The pods will help create a culture that supports BIW working mothers, ensuring they have a private, sanitary and power-ready pumping location available to them while at work. The pods are secured with locks and nursing mothers may request access by contacting the Benefits Dept. at biwbenefits@gdbiw.com or 442-2527.

One of the pods is located at the south end of the Yard, on the ground floor of the Manufacturing Support



Benefits Specialist *Kelsey Lekberg*, left, and Integrated Health Services Manager *Kiley Cyr* show off the new Mamava pod at the MSC.

Center, and the other at the Church Road Office Facility (CROF) in Brunswick. BIW also added a designated Mother's Room on the third floor of the Personnel Building at the north end of the Main Yard.

“BIW strives to be a workplace that supports the needs of all employees and their families. Adding these lactation spaces is critical to supporting our working mothers,” said **Jon Mason**, Director of Human Resources Services.

BIW's innovative approach of introducing the pods and the dedicated Mother's room will help ensure that future generations of shipbuilders get a good start.



Senior Buyer and recent mom *Megan Blake* is interviewed about BIW's new lactation spaces by Channel 6 reporter *Lindsey Mills*, who had her first child last month.

Senator Angus King:

“Bath Built is Best Built”



Carl M. Levin (DDG 120).

King serves on the Senate Armed Services Committee and its Seapower Subcommittee. Durbin serves on the Senate Appropriations Committee and is the ranking Democrat on the Defense Appropriations Subcommittee.

After the visit, King posted the following statement on Twitter: “The men and women of GDBIW are a perfect representation of Maine: hard-working, innovative, and committed to supporting their communities and defending their country. On Friday, I was proud to show Sen. Durbin exactly why Bath Built is Best Built.

Maine Sen. **Angus King** and Illinois Sen. **Dick Durbin** visited BIW on Aug. 30, touring the BIW Training Academy, the Structural Fabrication Facility, the Assembly Building and



On Saturday, July 20, the inaugural Lead Yard Services golf tournament was held at Mere Creek Golf Course in Brunswick. Eleven talented foursomes braved brutal heat (for Maine) vying to win the coveted “Golden T-Square.” trophy. The foursome, shown left to right, of Sr. Project Coordinator Nate Lothridge, Director of Design Bob Dundas, CAD LAB Design Manager Derek Hewson and Sr. Project Manager Robert Mitchell, took home the trophy.

Interns Learn, BIW Benefits



In August, the career website WayUp listed General Dynamics as one of the Top 100 Internship Programs in 2019. With over 100,000 students surveyed and thousands of employers considered, General Dynamics stood out because of the hands-on experience interns receive in our internship programs.

This is true at General Dynamics Bath Iron Works, where interns make a real difference with their work. The interns’ summer projects, which were presented at the

Manufacturing Support Center on Aug. 9, 2019, showcased their solutions for increasing shipyard efficiency. Topics included improving health and safety, such as issuing helmet stickers to CPR-trained employees and designing pallets to help remove paint buckets from warming cabinets more safely. They also suggested ways to contain spills faster.

“This whole experience has been very educational,” said **Sarah Payne**, who spent time with D40, Engineering.

“I assumed I would stay in one place but I actually got to explore the whole floor of hull engineering.” Her team pinpointed ways to be more cost-effective with rental assets.

Tobyn Blatt, whose team made an online survey to help evaluate the BIW Training Academy at Brunswick landing, is thankful for getting to work at a large company. “It’s a unique experience for people our age and will be valuable in the future.”

Aegis Light Off on DDG 118

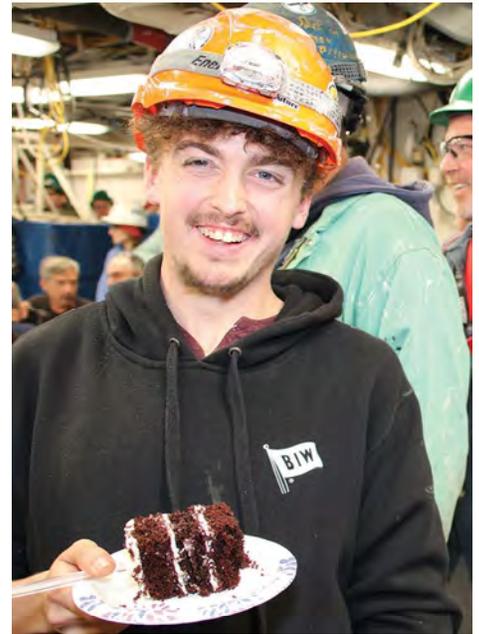
The technology that controls the weapons system on Daniel Inouye (DDG 118), the Aegis Combat System, was brought to life on Friday, Sept. 20. Aegis Light Off kicks off a 35-week test and activation period that leads up to sea trials. It is a significant milestone because it requires the ship's power distribution and cooling system and many key spaces to be complete, said **Lu Lozano**, Chief Superintendent, Test and Trials.



Getting those restricted spaces complete, inspected by the government and locked down is important because once they are secured, only people with a security clearance are allowed to enter them. Crews are currently flushing the fuel system in anticipation of launching the ship in about a month, then light off the turbine generators shortly afterward.

"There were a lot of firsts achieved on this hull...first in class or first in a very long time," said **Allie Milligan**, Chief Superintendent, DDG 118. "It was really a complete team effort by all the area and trades personnel to successfully get to ALO."

Shipbuilders and PCU crew members celebrated with a ceremony in the Combat Information Center. "Every time I walk onboard this ship I am reminded of the amazing craftsman and technical experts behind every wire, button, and deckplate screw," said Cdr. **DonAnn Gilmore**, the ship's commanding officer. "Remind yourself when the days get tough or mundane that you are building and testing systems on a warship that will be manned by our



Shipbuilders and PCU crew members celebrated achieving ALO with cake in the crew's mess of DDG 118.

nation's sailors" she said. "The room you are standing in will be transited by hundreds of sailors who may be called upon to execute national tasking. They will rely on the systems you are installing and testing to be the best in the world."

DDG 1002 Turns on the High Voltage

Lyndon B. Johnson (DDG 1002) was energized with 4160 volts on Sept. 25, a major step that enables all ship systems to power up. "Over 1,000 people in this yard and our teammates at SSBA contributed directly to us getting to this event today," said **Todd Estes**, Chief Superintendent for DDG 1002, who noted that

the ship has 2.3 million feet of cables.

Before high voltage power could be activated on board, more than 40 key spaces had to be completed. The next phase of construction will be getting the ship ready to go to sea. "This begins our march towards sea trials," said **Lu Lozano**, Chief Superintendent, Test and Trials. Before the activation, crews working on DDG 1002 held a safety stand down to make sure everyone understood that 4160 volt power requires an extra layer of caution. A current DDG 51 by comparison has 450 volts.

Front Line Supervisor **Jess Winchester** told the assembled mechanics where high voltage cables are located, some of the hazards associated with elevated voltage and the process for activation. As the ship was

energized, mechanics ran a series of tests including arc blast tests to make sure equipment performed as expected.

Johnson is the third and final ship ordered in the DDG 1000-class but the experience of activating 4160 power will be transferable. Starting with the future USS Louis H. Wilson Jr. (DDG 126), DDG 51s will be built to run on 4160 volt power. "The safety procedures, training, and operating skills developed for the DDG 1000 class HV systems will carry over to similar equipment on the Flight 3 DDG 51 class ships," Lozano said.

Tom Turgeon and **Scott Myrick**, members of the Electrical Test Crew, said even with their experience with EHV on previous ships, there is still a wave of anxious anticipation when the ship is energized. Now the crew can take a deep breath, they said. "It's a sense of relief due to the accomplishment and seeing the hard work has paid off," said **Clint Martz**, the crew's supervisor.



GD News

Gulfstream earns 2019 Sustainability Leadership Award

Gulfstream Aerospace Corp. has earned a 2019 Sustainability Leadership Award from Business Intelligence Group for its sustainable aviation fuel (SAF) initiatives. The award recognizes organizations that make sustainability an essential part of their business operations.

“Innovation is at the core of our business, including our environmental strategy,” said **Mark Burns**, president, Gulfstream, a division of General Dynamics. “As a company, we explore ways to support the business-aviation industry’s sustainability goals and have done this by designing aircraft for better fuel efficiency and through our efforts to raise awareness of the effectiveness of sustainable aviation fuel in business aviation.”

In 2011, a Gulfstream G450 was the first business jet to cross the Atlantic on SAF. The 30/70 blend of low-carbon, drop-in SAF has been used with Jet-A



fuel in daily operations for corporate, demonstration, Customer Support and Flight Test flights. Gulfstream-operated aircraft have flown nearly 830,000 nautical miles on SAF, saving more than 950 metric tons of carbon dioxide.

Gulfstream’s supply of SAF is chemi-

cally equivalent to conventional Jet-A and offers the same performance and safety standards. Each gallon of SAF burned achieves a more-than 50 percent reduction in greenhouse gas emissions, relative to petroleum-based jet fuel, on a lifecycle basis.

NASSCO to Build More ESBs

General Dynamics NASSCO was awarded a contract by the U.S. Navy worth up to \$1.6 billion for the construction of the sixth and seventh ships of the Expeditionary Sea Base (ESB) program, as well as an option for ESB 8.

The contract provides \$1.08 billion as a fixed-price-incentive modification to a previous contract for the design and construction of the two ships, with an option for the third that, if exercised, would bring the total cumulative value to \$1.63 billion.

ESBs serve as a flexible platform and a key element in the Navy’s airborne mine countermeasures mission, with accommodations for up to 250 personnel and a large helicopter flight deck. The ship’s configuration supports special warfare and Marine Corps task-organized units.



Thousands Enjoy Open H

BIW employees had the chance to show family and friends the work we do here in the shipyard as well as honor our 40-year Master Shipbuilders at this year's Open House.

Thousands of guests enjoyed a barbecue lunch, a tour of Lyndon B. Johnson (DDG 1002) and a host of informational booths that showed the many skill sets that it takes to build a Navy destroyer. Meanwhile, within Pre-Outfit 2, teams competed with model ships over a challenging course for the Geiger Cup. Taking the top prize was Red Tag, a team from Test and Activation.

The highlight of the gorgeous summer day was the ceremony honoring our Master Shipbuilders, those who this year marked 40 years with BIW. Each honoree was cheered by the audience and presented with a Chelsea clock.

"Of my 40 years at BIW, the master shipbuilding open house will be one, if not the, highlight of my career!" said **Janet Grondin**, a manager in Human Resources Services. "It was such a pleasure to see so many people, of all ages, employees, friends, families – ALL enjoying themselves! It truly made me proud to be a BIW employee."

Another 40-year honoree, **Jeff Austin**, said he was particularly pleased with the ship tour having invested a substantial amount of time as a Planner on DDG 1002.

BIW President **Dirk Lesko** thanked the honorees who over 40 years helped deliver 75 new construction vessels.

"You have designed and built America's Navy and you're training the next generation of BIW shipbuilders who will be safer and better able to contribute as a result of all you have learned and shared," he said. "Your example serves to remind us that it is the people of this shipyard that make Bath Built, Best Built."



House, Honor Coworkers



From the Fleet

USS Mahan dodges Hurricane Dorian



Line handlers bring in mooring lines aboard the Arleigh Burke-class guided-missile destroyer USS Mahan (DDG 72) on Sept. 4 as the ship headed to sea ahead of Hurricane Dorian. The U.S. 2nd Fleet Commander ordered U.S. Navy ships and aircraft in the area to leave ahead of the hurricane which brought high winds and heavy rain to the East Coast. Ships were directed to areas in the Atlantic Ocean where they could best ride out the storm. (U.S. Navy photo)

Seal of USS Carl M. Levin

Once unofficial symbols of naval vessels, crests have come to represent the spirit of America's fighting ships. The Institute of Heraldry now designs most ship crests, with each element having a symbolic meaning.

DDG 120 is the 38th Arleigh Burke-class destroyer built by Bath Iron Works. The keel was laid on Feb. 1 and is scheduled to be christened next year.

The namesake of DDG 120, former Michigan Sen. **Carl Levin**, was chairman of the Senate Armed Services Committee for nine years and a member for his entire 36-year career. The committee is instrumental in shaping the country's defense posture and in determining the size and composition of the U.S. Navy.

SHIELD: The hourglass shaped division of the field resembles the shape of the historic Senate gavel, implying Mr. Levin's service as a United States Senator. The six six-pointed stars honor Mr. Levin's 36 years in the Senate. The seven vertical stripes over a blue field denote the USS CARL M. LEVIN (DDG 120) as the 70th ship in its class. The national colors of the United States are Red, White and Blue.

CREST: The bald eagle, embodying the spirit of the United States, emphasizes the nation's virtues of life, liberty and the pursuit of happiness. The sword and Senate gavel allude to Mr. Levin's service as a Senator and position of Chairman of the Armed Services Committee. The Phrygian (Liberty) cap amongst the radiant light conveys Mr. Levin's work to protect the Great Lakes and their many lighthouses along Michigan's coastline. The Liberty cap, adapted from the United States Senate Seal, conveys the paramount nature of America's ethics and values, emphasized by the golden radiant light. Additionally, the eagle is featured on the coat of arms of the State of Michigan, in tribute to Mr. Levin's home state.

MOTTO: The motto, "TENACIOUS IN THE FIGHT," expresses the steadfast and determined motivation of the command and crew to triumph over adversity.



Snapshot of BIW History by Andy Toppan

US Light House Tender Mayflower

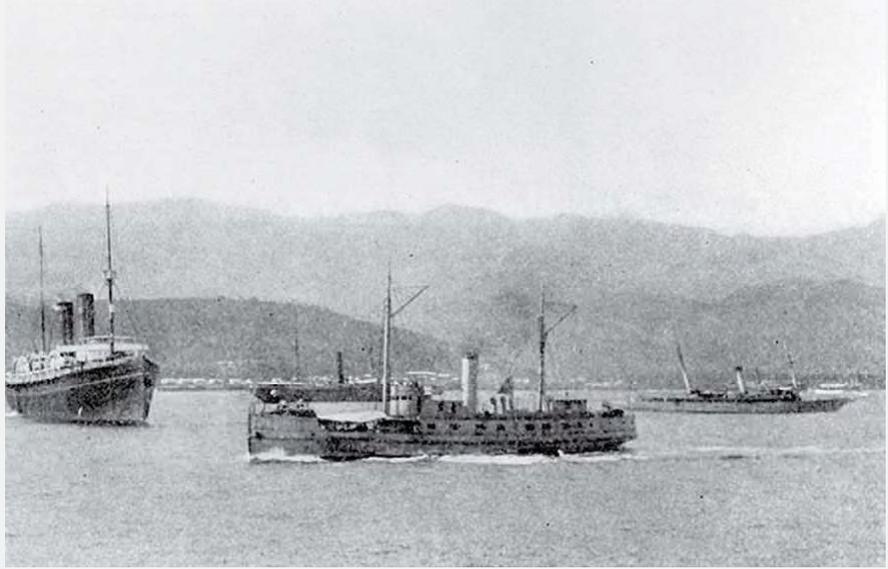
The lighthouse tender Mayflower led a surprisingly long and varied career

When USLHT Mayflower, BIW Hull 21, was launched on August 12th, 1897, no one could have anticipated the length of her career and variety of roles she would play.

Mayflower was BIW's first lighthouse tender, and was one of six lightships and tenders built by BIW for the US Lighthouse Board in the late 1890s. Ordinarily such vessels worked quietly, often out of view, shuttling supplies to various lighthouses up and down the coast.

The Spanish-American War broke out within months of Mayflower's commissioning, and on April 27th 1898, she was transferred to the US Navy for wartime service. Mayflower was renamed USS Suwannee, to avoid conflict with a yacht named Mayflower that had also been taken into naval service. Reflecting the Navy's urgent need for ships, the former tender was designated as an auxiliary cruiser and promptly dispatched to Florida, then on to Cuban waters.

In the early summer of 1898 Suwannee participated in the blockade of Spanish ships in the Cuban port of Santiago Bay, and provided gunfire support for forces operating ashore. Later



in the summer she was part of a force that bombarded Spanish positions at Manzanillo, Cuba, just as the war came to a close. By September she was decommissioned, and by the end of the year returned to the Lighthouse Board.

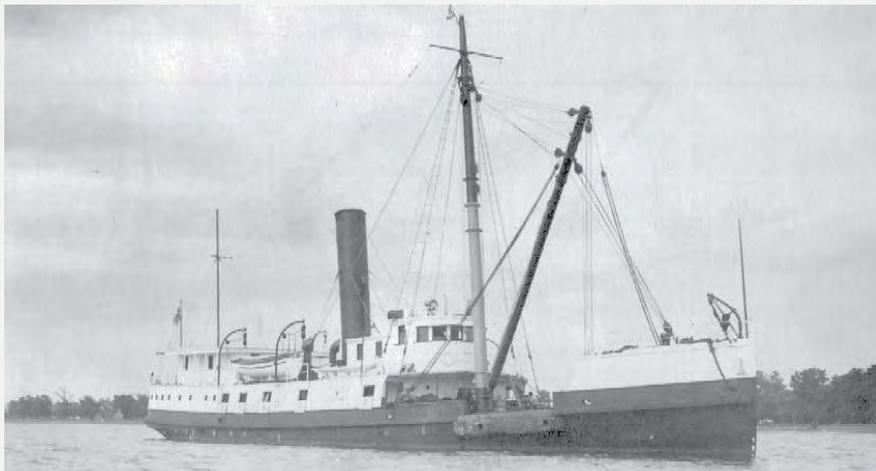
Resuming her original name, Mayflower was homeported in Boston and resumed her intended role. The tender spent the following decades servicing lighthouses up and down the coast, including many in Maine, and passed from the US Lighthouse Board to the US Lighthouse Service when that organization was established in 1910.

Mayflower's routine was only interrupted by the outbreak of World War I, which saw her rejoin the Navy as a patrol ship from May of 1917 until July 1919. After the war she returned

to lighthouse duties for another two decades. When the Lighthouse Service merged into the Coast Guard in 1939, the aged tender was designated as USCGC Mayflower, and was decommissioned at Boston in December, 1939.

The period of rest was brief, and she was recommissioned in July 1940 in preparation for World War II. When the Coast Guard was transferred to the Navy, Mayflower was again renamed, this time as USCGC Hydrangea, to avoid conflict with the same yacht Mayflower, which had once again been taken into naval service. In a remarkable coincidence, the two Mayflowers were among the very few vessels to see active service in the Spanish-American War and both World Wars.

Records of Hydrangea's service during the war are scarce, but she likely served in a familiar role, ferrying supplies in harbors and along the coast, or tending harbor defense facilities. Hydrangea was decommissioned for the final time on October 8, 1945, after nearly 50 years of service, and sold soon thereafter.





Welcome to our new employees

May 2019

Name	Dept	Name	Dept	Name	Dept	Name	Dept
Allen, Justin Daniel	2700	Farrin, Joshua Paul	4000	Libby, Amber Jean	6200	Pinto, Ellie	2400
Allen, Travis Eugene	1900	Furth, Sarah Anne	0900	Lundquist, Christopher James	5000	Pitcher, Dylan Scott	6200
Anderson, David James	1900	Gaumont, Amanda Marie	2700	Lydon, Thomas James	6600	Pye, Brianna Dawn	1900
Applebee, Richard Alan	6600	Gilroy, Victoria Elise	1310	Macleod, Riley James*	1000	Quimby, Benjamin David	8700
Bailey, Brian Merrill	1700	Glidden, Gregory Loring*	5000	Malcolm, Jared Yi	1900	Remington, Joshua Edward Erle	0800
Bailey, Kathleen Small	8600	Graham, Danielle Marie	8600	Maloy, Terry Francis	6600	Rivard, Melissa Jean	2700
Barnies, Nicholas Chuck	8700	Gray, Jared James	1900	Mannon, Colin Matthew	5000	Roes, Jordan Traci	1900
Barter, Cole Thomas	5000	Guarino, Charlotte Ann	6200	Martin, Joshua Marcel	1900	Roy, Casey Shane	8600
Bartlett, Christopher Richard	4000	Hawks, Clayton Albert	5000	Mathieu, Lyla May	2400	Salas, Michael Spencer	0110
Beebe, Alyssa Lynn	8600	Henson, Christine Mary	9400	McAvoy, Timothy James	0900	Sanborn, Trystan Calvin	1900
Behne, Casey Adam	6200	Herbert, Alexander Jeffrey	4000	McCray, Rachel Lynn	6200	Shaw, Alexander Gower	0900
Berg, Jillian Susan	8400	Hinton, Jeremy Dale	1900	McLuer, Sydney Gail	1700	Silenieks, Amy Lorraine	6600
Bernier, Drew Austin	0120	Holbrook Jr, Dwight Howard	8100	Meucci, Antonio Steven	5000	Simmons, Jonathan Matthew	2700
Binette, Tristan Robert	1000	Holyoke, Robert Stanley	1700	Michaud, Jacob John	0900	Soucy, Mark Robert*	0145
Blatt, Tobyn Isaac	0500	Hood, Mckenzie Elizabeth	8600	Michaud, Steven William	1900	Stange, John Anthony	8700
Bolduc, Ilya Aaron	6600	Hoskins, Barrett Eugene	1700	Miller, Cody David	6200	Stonehill, Noah Jack	0145
Boucher, David Daniel	1700	Howes, Desireah Michelle	1900	Miller, Lucas Charles	1900	Sulzberger, Jenny Lynn	2400
Brawn, Christopher Owen	6200	Hunnewell, Matthew Edward	1900	Miner, Adrien Frederick	6600	Sweetser, Ian Mitchell	0700
Buck, Jared Michael	5000	Hussey, Robert Bernard*	1000	Moore, Corey Stephen	1700	Taylor, Kaylin Elizabeth	6200
Burpee, Michael Allen	6200	Hutchinson, Isaac Lee	6200	Moore, Trenton Allen	2700	Tercyak, Anthony Peter	1900
Burroughs, Alexander Ray	0900	Imperato, Noah Benjamin	8700	Morin, John Jeffrey	0700	Therault, Jessica Dawn	1900
Butler, Ethan Micheal	1900	James, Ethan Franklin	1900	Morin, Nathan Ross	1900	Thibault, Jesse Jamie	1700
Caletz, Roberto Aran	5000	Johansen, Stephan Anders	3000	Morissette, Steven James	1900	Thomas, David Kenneth	6600
Caron, Erika Marie	1900	Johnson, Peter Redwing*	0700	Morse, Ryan Bryce	5000	Thompson, Katherine Margaret	0500
Chapman, Skyler Robert	6200	Johnstone, Dennis Roberts	1700	Murphy, Jennene Marie	2800	Tollefson, Joseph Micheal	1310
Chernosky, Madeline Grace	5300	Jones, Dustin Lee	2700	OConnell, Chad Allen	6200	Towle, Jacob Thomas	1000
Coleman Pray, Alec Joseph	1000	Kane, Caitlin Marie	8600	Oglesby, James Allen Michael	1900	Travis, Whitney Jordan	1900
Cote, Zachary David	0900	Kiffer, Tristan Samuel	4900	Olson, Kyle Ryan	2700	Trivette, Austin Phillip	1900
Cox, Caleb Allen	6200	Knight, Christopher S*	1000	Packard, Joseph Arthur	0800	Trussell, Adam Zeb	6200
Cross, Andrew Ryan	1900	Kulow, Michael Arthur	6200	Page, Bryndon Cody	0900	Wallace, Christopher Michael	8600
Crowe, Christopher James Scott	1900	Lapham, Ethan Daniel	1900	Parsons, Austin James	0700	Weatherbee, Laura Lee	1900
Cyr, Kiley Cashin Yescott	4900	Laramy, Travis Jarell	0900	Parsons, Evan Michael	2400	Wells, James Michael	8600
Detwiler, Sean Kellen*	4000	Larsen, Jacob Jonathan	4000	Payne, Sarah Jean	4000	Whewell, Nathan Alexander	8600
Doughty, Michael David	8100	Lawson, Constance Warren	1900	Pearson, John Edward*	8100	Whitmore, Dustin Preston	1900
Downing Jr, William David	6200	Lebel, Christy Renee	2800	Perry, Jeremy Michael	6600		
Edgecomb, Martin Hugo	1900	Levesque, Nikia Marie	1000	Pesantez Calderon, Duval X	8600		
Edgecomb, William Anthony	1900	Lewis Jr, Randy Paul	1700	Pinette, Kelly Ann	8600		

* Returning employee

June 2019

Name	Dept	Name	Dept	Name	Dept	Name	Dept
Allen Perry, Stephen Paul	6200	Caron, Justin Jeffrey	1900	Dyer Jr, James Lawrence*	2000	Goodwin, Jeremiah Frank	1500
Allen, Michael Seamus	6600	Chandler, Ian Michael	6200	Elliott, Robert Harry	2000	Goodwin, Maxwell Blake Solak	5000
Amato, James Patrick	4600	Cobb, Joseph Carl Michael	6200	Elwell, Connor Troy	5000	Grant, Keith Marcus	5000
Astor, Anthony Scott	6200	Coffin, Benjamin Curtis	1700	Emerson, Chase Reid	1500	Gray, Samantha Lee	5000
Bagley Appleton, Ocean Zebediah	5000	Cogswell, Keegan Vaughn	4300	Emmons, Ryan Stephen	1500	Green, Nathan Allen	6200
Barth, Riley Patrick	5000	Colburn, Irving Raymond	0900	Estes, Cody Michael	1700	Hall, Michael Joseph	8000
Beckwith, Nathaniel Joseph*	5000	Collins, Shawn Patrick	5000	Estrella, Cameron Nicholas	6200	Hayes, Tyler Glen	0700
Belanger Jr, Dennis Lee*	1500	Couture, Todd Adam	1700	Farnum, Gabriel Quinten Thomas	5000	Heath, Taylor James	5000
Bell, Nicholas Peter	1700	Couture, Wyatt Samuel	6600	Fillyaw Jr, Christopher Daniel	1500	Hebert, Connor Roger	1900
Belote, Connor Reid	6200	Cox, Jon Ellison	1700	Fish, Travis Joseph	1900	Hendrickson, Andrew Neil	5000
Bennett, Coston Matthew	3000	Cram, Nathan Michael	5000	Fogg, Abigail Morgan	1900	Heuer, Anthony Ludwig	2000
Bennett, Thomas James	1900	Crowley, Sean Lewis	5000	Fogg, Alicia Leigh	6200	Hibl, Cole Richard	6200
Bernier, Sean Phillip	5000	Cyr, Dylan Matthew	1500	Fortin, Jessica Elise	6200	Hicks, Gerald Charles	1900
Blais, Andrew Lucas	5000	Davis, Shane Edward	0900	Foss, Andrew Thomas	1700	Hill, Jacob Robert	1700
Borja, Ryan Fredrick	1500	Dingus, Alexandra Alice Marie	6600	French, Tristan Clark	6200	Hinderks, Sinjin Edward	1900
Braun, Devlin Jon	5000	Dingus, James Alexander	1900	Frutuoso, Christopher Lee	6200	Holmes, Shawn Paul	5000
Brewer, Jonathan Todd	1900	Donovan, Tina Suzanne	6200	Gayton, Cody Kenneth	6600	Holt, Dylan Randall	1500
Brilyea, Daniel Forrest*	1900	Dumais, Allison LaVaughn	1900	Gibbons, Todd Matthew	5000	Hoskins, Derick Joseph	1500
Brown, Joshua Michael	1500	Dustin, Michael Andrew	6600	Giberson, Joseph Steven	6200	Hosmer, Brittany Allison	1900
Burnham Jr, John Michael	1900	Dutil, Ricky Daniel	6600	Godeaux, Kyle Vincent	4600	Hotchkiss, Dylan Alexander	0900
Caligiuri Jr, Russ Matthew*	8700	Duval, Breton Connor	1500	Goller, William Stephen*	6200	Hoyt, Andrew Douglas	0900

Name	Dept	Name	Dept	Name	Dept	Name	Dept
Hunt, Alexandria Ann	1700	Meserve Jr, Joshua Adam	4300	Reynolds, Richard Alfred Conrad	5000	Surman, Lucas Michael	1700
Hurley, Brian Patrick*	2001	Michaud, Kyle Jeffrey Austin	1700	Richardson, David Andrew	5000	Temple, Caden Robert	5000
Jasper, Sharon Marie	5000	Mihalos, Louis J	1000	Rickards, Amanda June	6600	Thompson, Quincy Deion	1500
Kent, Isabella Rose	4600	Millet, Jeremy Francis	1500	Robbins, Jason Thomas	1900	Tibbetts, Kurt Michael	1900
Ketch, Ginger Ann	5000	Mills, Joseph Clement	0700	Ross, Cassandra JeanAnn	1500	Totman, Nikki Lee	6200
Kirkwood, Johnathon Richard William	6200	Milton, Eric Russell	1900	Ross, Michael Stuart*	4900	Tower, Megan Elizabeth	4600
Knight, Scott Allen	1700	Morgan, Edward Daniel	5000	Rouse, Phillip DeCesaro	5000	Travis IV, John Loring	6600
Krause, Christopher Andrew	1900	Murray, Harold James	2000	Rowe, James Anthony	1900	Traylor, Stephen Ray	8600
Labbe, Noella Ann	6200	Neff, Sage Robert	6200	Sabatino, Robin Jennifer	4505	Tripp, Joan Marie	1700
Lailer, Alexis Robbins	6600	Neighbor, Robert William	5000	Schleier, Steven Edward	6200	Vachon, Damein James	6200
LaMagna, Peter Nolan*	4600	Nicholson, Enoch Wright	1000	Schmitz, Brianna Ashlie	6600	Warner, John Thomas	5000
Lavoie, Tyler Robert	5000	Nye, Christina Elaine	6200	Schwartz, Stephen Paul	4300	Watkis, Joshua Jennings	0900
Leonard II, Richard Paul	2500	Paine, Brian Daniel	6600	Scolaro, Stephen Francis	4600	Whitcomb, Joshua James	6200
Leonard, Collin James	6200	Palmer, Brenda Lee	0126	Sisco, Brittany Elizebeth	6200	Whitten, Kevin Brian	5000
Levesque, Jacob Mattlock	5000	Palmer, William Alfred	1900	Smith, Scott Alan*	0900	Willeford Jr, Roger Lynn*	1700
Loubier III, Clayton Davis	2001	Papadham, Peter	1500	Somerville, Jennifer Marie	6600	Wilson, Andrew Scott	1900
Lowery, Ryan Norman	2500	Peaslee, Zachariah Dale	6600	Sommers, Justin Michael	1700	Wilson, Benjamin Andrew	0900
Lurvey, Alexander Randolph	5000	Pelletier, Matthew James	2000	Spaulding, Adam Michael	5000	Wood, Robert Alan	2700
Maresh, Samuel Peter	6200	Pepe, Vincent Matthew	1900	St Jean, Zachary Ryan	0900	Woodford, Adam George	6200
Marston, Roxanne Lynn	6200	Peterson, Robert Louis	4600	Stade, Nicholas Michael	5000	Woodman, Jerry Edward	1900
Matychowiak, Katelyn Danielle	1900	Poland, Kristi Lee	5000	Staples, Brandon Darrol	0900	Wright, Marie Ann	2400
McCray, Trevor Michael	1900	Pomerleau Sr, Adam Francis	5000	Stelmach, George Michael	1900	Wyman, Isiah Joseph	1900
McKenney, Rhett Alan	0700	Pulk, Theresia Sandra	1900	Stevens, Nathan Robert*	0900	Wyman, Ryan Andrew	1700
McNulty, Sean Donald	5000	Reed, Zachary Johnson	1900	Stoddard, Zane Patrick	6200	York, Casey Elizabeth	6200

July 2019

Name	Dept	Name	Dept	Name	Dept	Name	Dept
Allaire, Joshua Scott	1500	Charette, Jesse Michael	8600	Hoge, Andrew Barnes	0900	Nadeau, Christopher Roland	2000
Allen III, Albert David*	8600	Clark, Eric Todd	8000	Holt, Stephen Fuller	4000	Nadeau, Zachary Lukas	6200
Allred, Brian Timothy	8700	Coombs Jr, Darryl Chester*	6600	Hyson, Maurice Leeland	1700	Newcomb, Gregory Dennis	6200
Anderson, Bernard Brandon	1900	Costa, Christopher Michael	1700	Jordan Jr, David Joseph	2700	Norton, Jeremy Richard	0900
Archer, David Alan	3000	Cotton, Adam Blake	2700	Jorgenson, Jessica Lynne	8600	Norton, Walker Lee	5000
Bailey, Benjamin John	6200	Coulombe, Jacob Cougar Grant	0900	Kenny, Shawn Matthew	0700	O'Brien, William	6600
Bedolla, Ivan Javier	4300	Crossman, Patrick Norman	4300	Kidder, Austin Thomas Edward	0145	Odom, Dawn Marie	6600
Belanger, Kevin Daniel	2700	Daigle, Zachary Jedidiah	1900	Kientz, Jacob Lee	0145	Palmer, Riley Carol Ivy	6600
Bennett, Ryan Lawrence	5000	Davis, Andrew Thomas	1900	Kirk, Eric James	5000	Paris, Katharine Ann	2800
Berry, Stephen Vincent	8600	Davis, Garrett Allen	6600	Klemanski, Justin	1500	Parker, Jon Michael	1500
Betts, Dylan John	3000	Davis, Jordan Chandler Patrick	4300	Laidlaw, Miles Lee	8700	Patterson, Calvin Michael	4300
Bibber, Kayce Ann	1700	Day, Jordan Matthew	6600	LaPointe, Joshua Phillips	6200	Pelkey, Ethan Neil	4300
Bickerstaff, Donna Lynn	2800	Densmore, Karla Ann	6600	Layman, William R	6200	Perry, Kayla Rose	8600
Blake, Kristina Marie	1900	Detwiler, Joshua Dennis	6200	Leeman, Conner Avery	5000	Rhine, Eric Lauris*	0145
Bowen, Colin Christopher	1900	Dickey, Dalton Avery	2700	Lemay, Justin Marcel	1500	Ring, Corey Phillip	1900
Brann, Colton Anthony	1900	Dionne, Larry Alan	1700	Leonardo, Paul Dominic	8700	Rizzo, Naomi Ruth	8600
Brockway, Brent Lane	1900	Douin, Matthew Robert	0900	Lewis, Jason Garrett	1500	Robinson, Reese Davis	8600
Brockway, Kevin Peter	1900	Dragoon, Travis James	8000	Lewis, Zachary George	6200	Rodrigue, Eric Joe	2500
Bruce, Robert Alan Arthur	2700	Dyer, Dillon Scott	1900	Lilly Jr, Loren Michael	1900	Roinestad, Dakota Lee	5000
Brunelle, Shawn Ray	5000	Edgerton, Victor Michael	1900	Lyons, Seth Warren	1900	Rolfe, Ash Lynn	1500
Brusseau, Nathan Tyler	1700	Fairfield, Robert Norman	1500	Maguire, George Christopher	6600	Rolfe, Todd Benjamin	1900
Buck, Spencer Christopher Olum	2700	Fennell, Chad Douglas	5000	Mahoney, Andrew Briggs	0900	Rollins, Justin Ronald	5000
Burgess, Melissa Andrea	2000	Fisher, Ryan Micheal	6200	Martin, Triston Devon	8600	Rosa, Amanda Leigh	0500
Burtchell, Benjamin Vaughn	1700	Fitton, Matthew James	5000	Martone, Timothy Francis	8700	Rowley III, Harold David	1900
Busler, Dylan Arthur	2700	Frizzle, Nathan Wayne	2700	Mason, Stuart Christopher	6200	Saxby, Daniel Chris	1500
Buzzell, Amanda Lymm	6600	Gillespie, Cody Patrick	6200	Mattie Sr, Matthew Christopher	6600	Schmidt, Cobey Carlton	0900
Cairns, Stacy Jean*	8600	Gilmore, Allen Michael Edward	1500	McCann, Craig Daniel	6200	Seeley, Austin Matthew	5000
Campbell, Cameron Francis	8700	Goodwin, Franklin William	1900	McKenna, Logan Rodney	1500	Segars, Eric Dillon	2700
Campbell, James Anthony*	6200	Grant, Earl Doane	0900	McNerney, Cornelius J	1000	Siderio, Brandon Matthew	6200
Cannon, Aidan James	6200	Green, Tucker David	1500	Mellor, Hannajane Joseph	1900	Simmons, Taylor Ira	1500
Cano Rojas, Ronald O	1900	Greenlee, Chad Alan	6600	Michaud, Philip Alan	6200	Sisk, Ridge Wayne*	1500
Carl, Travis James	8700	Hammond, Matthew Craig	4300	Millard, Timothy Allen	6600	Skinner, Sabrina Cassidy	8200
Caron, Bradley David	6200	Hammond, Richard Benjamin	4300	Mitchell, Zachary Ryan	4300	Smith, Jacob Thomas	0700
Carroll, Bryce William	4600	Hicks, Jonathan Wesley	0145	Moore, Bradley Andrew	1500	Soucy, Corey Michael	1500
Chapman, Cameron James	1500	Hinman, Jesse Daniel	8600	Moore, Dustin Barrett	6200	Spear, Caitlyn Michelle	8600



Welcome

July *continued from page 17*

Name	Dept	Name	Dept
St Jean, Vincent Conrad	1700	Trask, Colby Kenneth	1900
Staffier, Nicholas Michael	6200	Vaillancourt, Katherine Michelle	6200
Staples, Stephanie Dawn	2400	Veilleux, Devon R	6600
Stewart, Jonathan Danial	4300	Viekman, Joshua August	8700
Stewart, Lisa Yvonne*	2700	Villanueva, Clyde Dalog	8600
Stewart, Suzann Manley	2400	Wallace, Andrew Carrie*	2700
Stillwell, Brett Douglas James	5000	West, John Anthony	2400
Sunderland, Shawn Perry	8000	Whitcomb, Ryan Paul	5000
Syphers, Eric Wayne	2601	Willette, Ashley Josephine	8600
Tanguay, Joshua Kenneth	0900	Williams, Brian Michael	4300
Theriault, Andrew Thomas	8600	Wing, Raven Chasity	6600
Therrien, Cassidy Paige	8600	Wolf, Hunter Isaac	6600
Thyot, James Sullivan	2601	Zupan, Joshua Lee*	0145
Towle, Adam Russell*	2700		



Service Anniversaries

May

Dept	Name	Dept	Name	Dept	Name	Dept	Name
	45 Years	20	Combs, Stacey Lee		20 Years	15	Murphy, Michael Edward
66	Hyson, Richard Dana	20	Dostie, James Dean	40	Record, Scott Karl	15	Stretton, Kyle Joseph
81	Brewer, Bruce Wayne	20	Hendron, George Elmer	40	Dunham, Anne Alicia	15	Thurlow, Donald Earl
	40 Years	25	Nichols, Wayne Elmer		10 Years	15	Wucherer, Rainer Manfred
10	Wheeler, Michael Carlton	27	Darling, Joseph William	10	Evans, Nicholas James	17	Beason, Troy Hemingway
15	Bickford, Keith Michael	27	Jacques, Terry Michael	40	Fecteau, Michael David	17	Crowley Jr., Anthony Joseph
19	Beedy, Scott Roger	27	McBride, Mark Stephen	40	Parker III, William Joseph	17	Grant, Nicholas Ray
20	Norton, Michael Allan	27	Morin, Dwayne Albert	45	Pratt, Susan Ann	17	Hart Jr., Jim Edward
20	Peavey, Elizabeth Anne	27	Nadeau, Normand Richard	84	Dorr, Luke Everett	17	Norman, Stormy Rena
20	Stufflebeam, Michael	27	Rines, Douglas Alfred	86	Durr, Luke Everett	17	Willey, Danielle Anna
	Dwayne	27	Smiley Jr., Selden Clarence	86	Mackellar, Andrew Duncan	19	Dupuis, Garret Joseph
20	Welch, Kevin Robert	30	Frost, Terry William	87	Khaira, Drupinderbir Singh	19	Flowers, Adam Thomas
20	Williams, Timothy Carl	30	Vallee, Steven Roy	91	Roy, Janie Newton	19	Gilbert, Eric Christopher
40	Snell, Gary Alan	40	Clavette, Daniel William		5 Years	19	Leeman, Dylan Gregory
45	Feltis, Timothy Lewis	40	Poitrass, Mark Stephen	09	Bourgoin, John Michael	19	Matthews, Edward Charles
81	Nichols, Clay Arnold	43	Dubois, Charles	09	Caron Jr., Raymond Joseph	19	Pacheco, Carlos Manuel
86	Dunton, William Alfred	50	Kaler, Clinton Dana	09	Caron, Wayne Harland	19	Pettingill, Timothy
	35 Years	50	Marquis, Roger Cyrille	09	Graffam, Justin James	20	Mulherin, Todd James
86	Murphy, Anne Elizabeth	81	Lemont, Daren John	09	Murray, Jeffrey Douglas	20	Thibeault, Andrew Thomas
86	Gosselin, Richard Jean	81	Oliver, Christopher Douglas	09	Murray, Patrick Clarence	20	Belanger, John David
	30 Years	84	Cantara, Jeffrey Charles	09	Nering, Braden Alan	24	Carpenter, Margaret Anne
01	Sheldon, Timothy Merle	84	Cassidy, Steven James	09	Seymour, Paul Jay	24	Galvin, Peter Grimes
06	Jacobs, Phil Royce	86	Chamberlain, Thomas	09	Beaule, Zachary Michiel	26	Kazimer, Adam Robert
10	Bouffard, Norman Roger	86	Goodine, Michael James	10	Fontaine, Joseph Lawrence	27	Brown, Keith Michael
15	Belanger III, Joseph	86	Neron, Coreen Rebecca	10	Hoffer, Scott Alexander	27	Coburn Jr., Albert Lee
15	Hall, Lee Alan	90	Blanchette, Steven Roger	10	Larson, Derrick Paul	27	Demers, Frank Donald
15	Potter, Bryan Lee	91	Lepage, Douglas Jason	10	Mershon, Kevin Patrick	27	Grover, Derek Jay
15	Stevenson Jr., Vernon Arthur	91	Small, Elaine Gail	10	Schutt, Benjamine Michael	27	Russell IV, Samuel Chester
19	Cote, Rodney Roland		25 Years	10	Bickford, Glendon Wayne	27	Stevens, Michael Lynn
19	Schafer Jr., Donald William	01	Dickinson, Vincent	15	Carville, James Willard	40	Ortiz, Hector Oscar
				15	Davis, Jason Wayne	43	Mikoski, Andrew Donald
				15	Eames III, Harold Alfred	52	Tharp, Edward Allen
				15	Esancy, Eric Everett	66	Mixon II, Christopher Lee
						81	Jellison, Torin Russell
						87	Baker, Kenneth A.



Service Anniversaries

June

Dept	Name	Dept	Name	Dept	Name	Dept	Name
	45 Years						
20	Norcross, Suzanne Judith	30	Carver, David John	82	Bailey, Amanda Dawn	17	Cyr, Samuel Thomas
43	Arsenault, Francis Rollins	32	Prosser, Gordon Almon	87	Beaulieu, Jim Vick	17	Edwards, Seth Thomas
		40	Hallowell, Thomas James	87	Sarvinas, Allen George	17	Fish, Nathan David
		81	McCollett, Mark Andrew			17	Lint, Adam Mark
	40 Years	81	Trafton, Robert Elton		5 Years	17	O'Bar, Scott Joseph
10	Berube, Ernest Theodore	86	Crocker, John Dean	01	Glinatsis, Timothy William	17	Skelton, James Hersey
49	Grondin, Janet Trask	86	Fosnough, Larry Wayne	07	Robbins, Robert William	19	Chasse, Timothy David
86	Deschaine, Paul Donald	87	Dubay, Peter Alan	09	Cross, Andrew Thomas	19	Morrell Jr., Wayne Auther
87	Underwood, Todd Richard	87	Mercier, Anthony Dee	09	Derosier, Steven Paul	20	Cuff, Joshua Joseph
				09	Gagne, Jeffrey Leo	20	Forrest, Dylan Potter
	35 Years		25 Years	09	Gray, Charles Anthony	20	Maines, Danny Allen
40	Wetherbee, David James	10	Chase, Michael Andrew	09	Guimond, Normand Ernest	20	Tuttle, Bruce Lauren
		24	Theriac, Joey Emile	09	Jurgilas, Ian Pierce	25	McKinnon, Joseph Allen
	30 Years	30	Fonollosa, Jose Robert	09	Pierpont, Edwin Elliott	27	Bonyun, Ryan Andrew
07	Blais, Gary Eric	43	Lackie, Steven Wayne	09	Weir, Logan Matthew	27	Brzezowski, Stephen Edward
10	Hallett, Charles Arthur	66	Chase, Matthew John	10	Harper, Steven Michael	27	Doughty, Ryan William
10	Jackson, William Arthur	86	VanGilder, Robert Dale	10	Linkel, Guy Josef	27	Lampron, Joseph Richard
15	Allen Jr., Richard Thorton			10	Moreau, Luke Brendon	27	Lovering, Eric Dean
15	Burns, Todd Michael		20 Years	10	Murphy, Matthew Michael	27	Wood, Anastasia Karina
15	Sommer, Timothy Alan	01	Waalder, Christopher	10	Ring, Evan Alan	30	Ferrusca, Efrain Fabian
15	St. Laurent, Gary Todd	10	Gasper, Jason M.	10	St. Amand Jr., Mark Anthony	30	Gatto, Joshua Ian
19	Barber, Steve Wayne	10	Haines, Mark Alan	15	Bailer, Paul Michael	32	Nelson, Paul Darrell
19	Betts, Kenneth John	24	Lasher, Denise Frances	15	Callahan, Thomas Keagan	40	Kalinowski, Philip John
19	D'Amour, Marc Robert	54	Winn, Michael Andrew	15	Chesties, William Robert	40	Orr, Michael Howard
19	Dauria, Donald Neil	87	Missal, Erik Zigmund	15	Donovan, Riley Kane	43	Smith, Deric Ross
19	Gile, James Shippee			15	Dunn, Jared Michael	46	Talley, David Allen
19	Jackson Jr., Charles Edward		10 Years	15	Jenkinson, William David	81	Braley, Dylan Zane
19	McCoy Jr., Gerald Orville	10	Beane, Jeremy Walter	15	Lenz, Michael Anthony	81	Frost, Jacob Cameron
20	Chesley, James Andrew	10	Moore, Tristan Paton	15	McGillivray, Keith Joseph	84	Russell, Logan Anthony
20	Gagne, Darin Price	20	Duffy, Tracey Elizabeth	15	Mitchell, Richard Francis	86	Campbell, Matthew Stephen
20	LaPlante, David	24	Sarber, Susan Diane	15	Neumayer, John Michael	86	Crocker Jr., Courtney Lee
20	McRae, Peter Robert	40	Johnson, Karl Andrew	15	Peters, Cathryn Anne	87	Millett, Sarah Marie
27	Alexander Jr., Albert George	40	Jones, Joshua Ryan	15	Segerson, Christopher	87	Tarleton, Patrick Kyle
27	Dorr, Charles Clifford	45	Carpenter, Tammy Rita	15	Thibodeau, Shawn David		
27	Stevens, Michael Gregory			17	Arnold, Michael Charles		
				17	Custeau, Paul Gerard		

July

Dept	Name	Dept	Name	Dept	Name	Dept	Name
	45 Years						
06	Blake, Lester Allen	19	Dorval, Brian Laforest		20 Years	09	Johnston, Andrew Blaine
30	Portela, John Pinheiro	19	Traugh II, Paul Orr	52	Pelletier Jr., Clarence Joseph	09	Sherburne, Thayne Allen
		19	Utecht, Arthur Edward	86	Lyndaker, Luke Arron	10	Gamblin, Larry Elwin
	40 Years	20	Anctil, Roland Normand	86	Warren, Jeffrey Deane	15	Darling, Adam Joseph
10	Colby, Mark Stephen	20	Bosse, Marc Normand	99	McGlauffin, Dale Steven	15	Farnsworth, Keith Granville
19	Raymond, Paul Roger	27	Crowley, Anthony Joseph			15	Hall, Justin Earl
20	Walker III, Richard Dexter	43	Tremblay, Christopher		15 Years	15	Wade, Timothy Wesley
25	Fitch, Douglas Lawrence	52	Beck, Daniel Wight	40	Botting, Joshua Keith	19	Johnson, Joshua Louis
81	Douglas, Stephan Lynn	57	Smart, David William			19	Stade, Kevin Michael
90	Leblanc, Sally Ann	81	Brousseau, Garry Alan		10 Years	20	Cantrell, Brice Neil
		86	Saunders, Patrick Ray			24	Stover, Lawrence Willard
	30 Years	87	Ebner, Peter James	86	Mathieson, Allen Lee	25	Pratt, William Clifford
07	Broughton, Douglas Edward	87	Pye, Gordon Frederick	87	Reed, Charles Franklin	40	Cote, Elizabeth Marie
07	Mullen, Daniel George	89	Ruhlin, Timothy Edward			40	Ehle, Stephen Thomas
10	MacDonald Jr., Kenneth		25 Years		5 Years	43	Fitch, Paul Anthony
15	Bryant, Brian Michael	43	Fraser, Brian Paul	06	Goupil, Randy Rainey	43	McCaughey, Bryan Michael
15	Richards, Ricky Allen	50	Antworth, Dana Howard	09	Barrington, Alan Nicholas	50	Harvey, Kerry Howard
				09	Erickson, Hunter Lee	80	Thompson Jr., Alton Ralph



Retirees

May

Dept	Name	Dept	Name	Dept	Name	Dept	Name
43-00	George W. Anderson Jr. 31 Years, 6 Months <i>Welder III</i>	50-00	David M. Day 32 Years, 9 Months <i>Shipfitter III</i>	19-00	Larry R. Johnson 36 Years, 7 Months <i>Electrician III</i>	81-00	Ronald A. Orr 37 Years, 11 Months <i>Material Handlers III</i>
20-00	Scott R. Bean 4 Years, 4 Months <i>Maintenance Mechanic III</i>	86-00	Donald P. Emerson 32 Years, 2 Months <i>Senior Design Supervisor</i>	06-05	Kenneth R. Lajoie 37 Years, 11 Months <i>Trades Inspector</i>	17-00	Paul R. Pelletier 31 Years, 4 Months <i>Tinsmith III</i>
86-00	John W. Beaupain 41 Years, 4 Months <i>Designer, 1st Class</i>	24-00	Pamela J. Everett 30 Years, 9 Months <i>Senior Buyer</i>	81-00	Leonard L. Lavoie 31 Years, 3 Months <i>Material Handlers III</i>	91-05	Roger J. Robitaille 4 Years, 6 Months <i>Planning Tech</i>
17-00	Thomas J. Bennett 38 Years, 6 Months <i>Tinsmith III</i>	86-00	Susan J. Field 30 Years, 8 Months <i>Designer, 1st Class</i>	09-00	Steven L. Letourneau 30 Years, 3 Months <i>Outside Machinist III</i>	86-00	William R. Schumaker 30 Years, 5 Months <i>Principal Technician, Engineer</i>
43-00	Leon H. Berry Jr. 37 Years, 2 Months <i>Welder III</i>	19-00	Donald W. Goggin 21 Years, 5 Months <i>Electrician III</i>	19-00	John E. Lohnes Jr. 37 Years, 1 Month <i>Electrician III</i>	45-05	David M. Strand 37 Years, 11 Months <i>Administrative Technician</i>
09-00	Mark D. Bohunicky 32 Years, 8 Months <i>Outside Machinist III</i>	19-00	Dean J. Gonsior 31 Years, 3 Months <i>Electrician III</i>	09-00	Barry S. Moore Sr. 21 Years, 1 Month <i>Outside Machinist III</i>	19-00	Ronald P. Ward 40 Years, 1 Month <i>Electrician III</i>
09-00	John S. Card 41 Years, 9 Months <i>Outside Machinist III</i>	43-00	Denise S. Gravel 32 Years, 9 Months <i>Welder III</i>	20-00	Gerald S. Nadeau 41 Years, 5 Months <i>Maintenance Electric & HVAC III</i>		
09-00	Michael R. Carpenter 38 Years, 10 Months <i>Outside Machinist III</i>	86-00	Richard A. Humes 10 Years, 4 Months <i>Senior Tech, Engineering</i>	10-00	Gregory L. Niva 40 Years, 4 Months <i>Front Line Supervisor</i>		
27-00	Raymond P. Cray 45 Years, 2 Months <i>Preservation Tech III</i>	19-00	Eric Jackson 31 Years, 8 Months <i>Electrician III</i>	27-00	Brian C. Oakes 31 Years, 4 Months <i>Preservation Tech III</i>		

June

Dept	Name	Dept	Name	Dept	Name	Dept	Name
17-00	Paul G. Custeau 5 Years, 0 Months <i>Tinsmith III</i>	91-05	Leo J. Leclair 39 Years, 8 Months <i>Planning Tech</i>	28-00	David A. Shafer 20 Years, 3 Months <i>Senior Occupational Health Nurse</i>	20-01	Donald M. Thibeault 35 Years, 6 Months <i>Front Line Supervisor</i>
91-05	Donna L. Gregory 39 Years, 10 Months <i>Planning Tech</i>	86-00	David L. Lemont 42 Years, 3 Months <i>Technician III, Engineering</i>	86-00	Daniel V. Soule 37 Years, 2 Months <i>Associate Engineer</i>	08-00	Michael A. Wallace Sr. 37 Years, 0 Months <i>Front Line Supervisor</i>
27-00	Glen S. Haggett 38 Years, 4 Months <i>Preservation Tech III</i>	27-00	Kim M. Martin 36 Years, 10 Months <i>Preservation Tech III</i>	82-00	Gary A. Stevens 38 Years, 6 Months <i>Technical Clerk, 1st Class</i>	19-00	David L. Ward 40 Years, 6 Months <i>Electrician III</i>
20-00	Craig D. Herald 39 Years, 9 Months <i>Maintenance Custodian III</i>	40-00	Michael G. McMullen 29 Years, 11 Months <i>Designer, 1st Class</i>	86-00	Timothy G. Tetu 38 Years, 7 Months <i>Designer, 1st Class</i>		
07-00	William E. Ivens 37 Years, 1 Month <i>Machinist III</i>	20-00	Suzanne J. Norcross 45 Years, 0 Months <i>Maintenance Mechanic III</i>	86-00	Sylvia I. Tetu 42 Years, 10 Months <i>Designer, 1st Class</i>		
10-00	Donald R. LaPointe 16 Years, 3 Months <i>Front Line Supervisor</i>	30-00	Dana A. Rolerson Sr. 31 Years, 4 Months <i>Sandblaster III</i>	66-00	John E. Thibeault 40 Years, 10 Months <i>Insulator III</i>		

July

Dept	Name	Dept	Name	Dept	Name	Dept	Name
20-00	Roland N. Ancil 30 Years, 0 Months <i>Maintenance Mechanic III</i>	10-00	Michael R. Duquesnoy 39 Years, 5 Months <i>Superintendent</i>	32-00	David R. Levesque 31 Years, 9 Months <i>Yard Rigger III</i>	19-00	Bill E. Roderick 31 Years, 7 Months <i>Electrician III</i>
24-00	Charles J. Baxter 44 Years, 9 Months <i>Associate Engineer</i>	80-00	William H. Garside III 31 Years, 8 Months <i>Crane Operator III</i>	20-00	Daniel A. McPhee 41 Years, 2 Months <i>Maintenance Mechanic III</i>	30-00	Leon L. Ryan Sr. 37 Years, 2 Months <i>Sandblaster III</i>
81-00	Mark D. Bechard 38 Years, 5 Months <i>Material Handlers III</i>	84-00	Edward P. Hauser 31 Years, 6 Months <i>Senior Planner</i>	45-05	Patricia L. Messier 33 Years, 0 Months <i>Administrative Technician</i>	15-00	Scott R. Sargent 31 Years, 3 Months <i>Pipefitter III</i>
10-00	Robert L. Bradstreet 39 Years, 11 Months <i>Assistant Foreman II</i>	32-00	William M. Humeniuk 32 Years, 10 Months <i>Yard Rigger III</i>	43-00	John K. Michaud 30 Years, 3 Months <i>Welder III</i>	27-00	James A. St. Amand 30 Years, 3 Months <i>Preservation Tech III</i>
20-00	James P. Cartwright 39 Years, 0 Months <i>Maintenance Electric & HVACIII</i>	17-00	Jeffrey M. Labbe 37 Years, 0 Months <i>Tinsmith III</i>	40-00	Kenneth B. Mitchell 28 Years, 6 Months <i>Technician III, Engineering</i>	86-00	Thomas C. Stoltz 28 Years, 8 Months <i>Designer, 1st Class</i>
86-00	Thomas M. Chamberlain 30 Years, 2 Months <i>Principal Technician, Engineer</i>	19-00	Normand L. LaCroix Jr. 27 Years, 9 Months <i>Electrician III</i>	17-00	Herbert L. Murphy Jr. 41 Years, 3 Months <i>Tinsmith III</i>	50-00	Duane A. Tobias 21 Years, 2 Months <i>Shipfitter III</i>
81-00	George L. Dauphin 37 Years, 3 Months <i>Material Handlers III</i>	15-00	Rodney P. Landry 44 Years, 10 Months <i>Pipefitter III</i>	09-00	Albert P. Passalacqua Jr. 31 Years, 6 Months <i>Outside Machinist III</i>	19-00	Michael L. Tyler 42 Years, 8 Months <i>Electrician III</i>
69-00	John R. DeMerchant 31 Years, 6 Months <i>Stagebuilder III</i>	19-00	Timothy P. Lane Sr. 31 Years, 2 Months <i>Electrician III</i>	17-00	Bryan C. Pratt Jr. 36 Years, 11 Months <i>Tinsmith III</i>	20-00	Kenneth F. Vosmus 30 Years, 9 Months <i>Maintenance Electric & HVACIII</i>
17-00	Thomas D. Dolloff 31 Years, 8 Months <i>Tinsmith III</i>	20-00	Edrick J. Larkin 37 Years, 7 Months <i>Maintenance Electric & HVACIII</i>	17-00	Jesse A. Quirion 37 Years, 3 Months <i>Tinsmith III</i>	81-00	Cornelius J. Walsh 41 Years, 4 Months <i>Material Handlers III</i>
19-00	William S. Drisko 30 Years, 11 Months <i>Electrician III</i>	86-00	Norman R. Lavoie 39 Years, 5 Months <i>Technician II, Engineering</i>			20-00	Michael O. Albert 41 Years, 2 Months <i>Maintenance Mechanic III</i>



In Remembrance

Richard W. Day May 13, 2019 37 years <i>Process Control Engineer III</i>	Patrick G. O'Keefe June 6, 2019 10 years <i>Sr. Vice President</i>	Robert P. Ayotte June 18, 2019 37 years <i>Maintenance Electric & HVAC III</i>	Larry J. Thibeault June 23, 2019 37 years <i>Designer 1st Class</i>	Arthur H. Staples Jr. July 12, 2019 11 years <i>Pipefitter III</i>
Herbert B. Lilly Jr. May 16, 2019 37 years <i>Area Manager</i>	Lorraine A. Ancil June 11, 2019 19 years <i>Preservation Tech III</i>	Douglas L. Burch June 18, 2019 28 years <i>Preservation Tech III</i>	Raymond A. Charest June 29, 2019 43 years <i>Engineer III</i>	Roger M. Fillion July 16, 2019 42 years <i>Material Clerk III</i>
Russell A. Pender May 19, 2019 20 years <i>Machinist III</i>	Thomas H. Murphy June 12, 2019 12 years <i>Electrician III</i>	Clyde A. Perkins Jr. June 21, 2019 46 years <i>Maintenance Custodian Single Craft</i>	Arthur J. Gaudreau July 3, 2019 41 years <i>Maintenance Electrician III</i>	James F. Perthes July 26, 2019 25 years <i>Surveyor</i>
Robert P. Grondin June 4, 2019 41 years <i>Designer 1st Class</i>			Robert Frizzle July 8, 2019 18 years <i>Safety Inspector III</i>	

New Tug Adds Features to Boost Safety, Utility.

When it came time to replace BIW's 1950s era tugboat Kennebec, the company opted for a southern style push boat, the kind used to move freight on large barges. The General Thomas Hyde is small for a tug – 25'x14' – and that gives it an advantage in certain situations.

When Lyndon B. Johnson was translating from the drydock last December, Hyde was able to slip inside the drydock and press the bow of DDG 1002 toward the wingwall. Hyde also has two propellers (screws), making it more maneuverable than its predecessor.

"It allows me to get into pretty tight spots," said Tugboat Operator **Cage Zipperer**. A Georgia native, Zipperer is familiar with the pusher style of tug. "I'm actually pretty tickled with it," he said of the Gen. Thomas Hyde.

But the tug, as built, has limitations. "This style of tug is really good at moving barges- it is essentially a detachable engine room. It's less good at being a utility work boat, which is needed here" said Dockmaster **Nate Power**.

So during July a team of riggers, stage-builders, and maintenance fabricators hoisted the tug from the river with Crane 11 and made modifications to improve vessel safety and make the boat more useful to BIW.

Thick rubber fenders were added to each corner of the tug's flat bow which al-

low Zipperer to pivot the tug while pressing against a ship or a pier, protecting against metal on metal contact and creating a surface with more grip. This allows him to get maximum advantage out of the twin screw configuration.

Another safety improvement was replacing the solid bulwark in front of the wheelhouse with a handrail. The increased visibility makes it so Zipperer can look down and see the people working on the tug's deck while he is operating. "It makes the whole evolution safer for him and the deckhands," Power said. The removal of the heavy steel high above the waterline also improved the vessel's stability, making it ride more comfortably.

Finally, a rubber strip was added to the roof of the pilot house. That's because the tug has to operate near the flared bow of a DDG 51, and with a shortened hull and high house, there is risk of tug to ship contact. The protective "D-fender" allows Zipperer to work the ship during launch with minimal hazard of damage to either vessel.

"There was a lot of concern that the 'Little General' would be a safe and effective replacement for the Kennebec," says Power "so working together, Cage and I, with the help of our Maintenance Fab Team, were able to make large strides towards adapting the vessel to our needs."



The BIW tug Gen. Thomas Hyde, was lifted from the river, modified for improved safety and functionality, and then returned to the water.



Tug operator **Cage Zipperer** (left) and Dockmaster **Nate Power**, discuss the improvements made to the BIW tug Gen. Thomas Hyde.



A picture taken through a state wildlife official's telescope shows the two falcon chicks on the blue BIW crane near Crane #11.

Falcons Summer at BIW

Living in the beautiful state of Maine brings surprises every day. This past summer, the shipyard was graced with a family of peregrine falcons. Getting back to nature has never been so easy!

The adult pair of falcons hatched eggs in an old osprey nest on an unused lamp post near Crane #11. The babies learned to fly and hunt before the family moved on.

Peregrine falcons are known for being the fastest animals in the world, capable of reaching more than 200 mph when diving for prey. The species was wiped out in the eastern U.S. when the pesticide DDT was in

use. They have since rebounded but breeding populations are still protected as endangered in the state of Maine.

The Maine Department of Inland Fisheries and Wildlife visited the Yard to observe the nest and made sure the family was doing well.

It is somewhat uncommon for falcons to nest in industrial settings, but is becoming more common. They are attracted to the tall areas and the food source. The top item on their menu is pigeons.

BIWRA FAMILY FUN DAY!

Close to 3,000 BIW employees and family members took over Funtown on Sunday, Sept. 9 for the annual family get together.



GENERAL DYNAMICS

Bath Iron Works

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Bath, ME 04530

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Faces of BIW

