

Pattern Shop Embracing Technology

A five-axis computer numerical control (CNC) machine is ushering a new era in Newport News Shipbuilding's Pattern Shop.

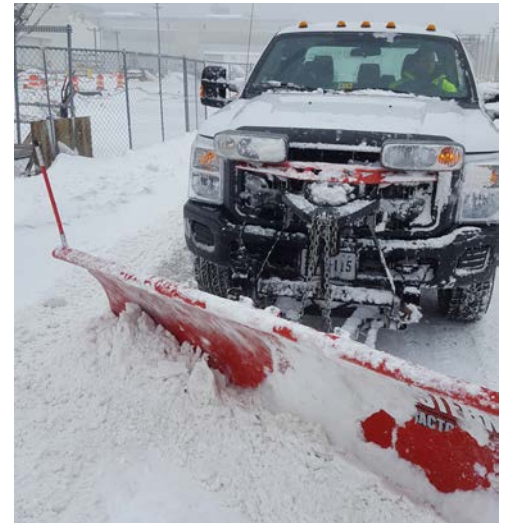
"It's really bringing us into the 21st century and giving us capability that we've never had before," said Pattern Shop Supervisor **Zachary Hudgins**. "This shop will continue to improve, and this is where we start. We are going to introduce a lot of different processes, materials and methods of construction"

Those new capabilities are especially important as NNS gears up for the construction of *Columbia*-class submarines. "There would really be no way for us to handle the *Columbia*-class workload without this machine," Hudgins said.

The five-axis machine joined a pair of existing three-axis CNC machines in the shop, but it is capable of carrying out larger, more complex jobs. Shipbuilders are able to program commands for the machine, which then can complete intricate 3-D jobs – done by hand in the past – using a variety of materials, including foam and wood. The machine is accurate to two-thousandths of an inch.

Programmer **Zane Haden** (M71) and Operator **Chris Perry** (M71) recently used the CNC machine to create a large foam mock-up of a ship structure for a group of NNS engineers. "It took a little over 10 days to machine this," Perry said. "You could do it by hand, but it would take months with multiple people, and it wouldn't be as accurate."

CONTINUED ON PG 2



Jonathan Marshall operates a plow during last week's winter storm.

NNS Digs Out After Blizzard

The winter storm that dropped up to a foot of snow in Hampton Roads – combined with strong winds and unusually frigid temperatures – brought the region to a halt last week and through the weekend.

CONTINUED ON PG 2



Shipbuilders working on the RCOH of USS *George Washington* (CVN 73) enjoy a luncheon honoring them for exceptional work. Photo by **John Whalen**

RCOH Program Honors Shipbuilders

Newport News Shipbuilding's Refueling and Complex Overhaul (RCOH) Program recently honored dozens of shipbuilders for exceptional work on USS *George Washington* (CVN 73).

CVN 73 RCOH Program Director **Todd West** held recognition luncheons in December to thank the shipbuilders for their commitment to safety, first-time quality, cost and schedule associated with two specific jobs. Other program leaders – including Trades Director **Thomasina Wright**, CVN 73 Topside Construction Director **Dave Fletcher** and Propulsion Plant Construction Director **Mark Creamer** – were also on hand to congratulate shipbuilders.

Teams of X43 and X36 shipbuilders responsible for removing the CVN 73's shafting finished the job three weeks ahead of schedule, with no reported accidents and under budget.

"You guys got the job done in half of the hours that were budgeted," West told the shipbuilders. "Not only did you knock it out of the park with respect to schedule, you knocked it out of the park with respect to cost and safety as well. We just wanted to

pause for a few moments and say thanks for what you did."

An X32 team responsible for inspecting, inventorying and removing thousands of panels from tanks on the ship was also honored. "This team was able to remove more than 8,000 panels in very short order, with no safety or first-time quality issues and significantly under budget," West said.

When he asked both teams what made them successful, West said shipbuilders pointed across the table to their teammates. "The teamwork was obvious. The shipbuilders provided numerous examples of how they worked together as a team within their trade and across trades," he said.

Shipbuilders like **Michael Johnston** (X43) appreciated the honor. "It was a sincere thank you," he said.

But the work isn't done. As the RCOH moves forward, the refurbished shafting and panels that have been removed will have to be reinstalled, likely by these same teams.

"These types of efforts set us up for continued success," West said.

NNS Digs Out After Blizzard

CONTINUED FROM PG 1

However, dedicated employees working in the Facilities Division spent long hours clearing snow and ice to keep the shipyard up and running.

"This one was different because of the blowing snow. That's something we hadn't had to tackle in years," said Facilities Planner **Mark Sink**.

Even before the first flakes fell, crews pretreated roads and walkways with a layer of salt, said Foreman **Jonathan Marshall** (O46). Once the snow started falling Wednesday night, crews worked to keep roads and walkways inside the shipyard clear.

"It really takes a lot of dedication from the workers, especially since we only have a certain amount of equipment operators," Marshall said. "We couldn't do it if we didn't have engaged and dedicated people."

Joshua Shanholtz (O46) was among the shipbuilders working around the clock to keep walkways and roads clear. "Everybody did an excellent job. We knew what we had to do, and everybody worked together to get it done," he said.

Sink said NNS crews inside the gates and contractors clearing sidewalks and parking lots outside the gates used about 120 tons of salt during and after the storm.

"This is a huge undertaking by some good, dedicated people," Sink said. "It's not just about them. It's about making the shipyard safe for everyone else, and a lot of those guys really take it to heart."

Special thanks to all shipbuilders who contributed to snow removal efforts.

Pattern Shop Embracing Technology

CONTINUED FROM PG 1

Haden said the increased accuracy is also important for the Pattern Shop's work in support of the Foundry. "Since our patterns are used for every ship in a class, dedication to first time quality is of the utmost importance," he said.

In addition to producing better quality products and saving significant time, the machine also impacts safety in the Pattern

Shop, Hudgins said.

"You're taking a job that would've required hundreds of hours at a band saw or a table saw or some piece of rotating machinery and almost completely taking them out of the picture," he said. "Taking the employee away from potential hazards will greatly improve safety."

AROUND THE YARD

Financial Wellness Classes Coming Soon

Huntington Ingalls Industries has partnered with financial education company SmartPath to bring free monthly on-site classes to Newport News Shipbuilding. Each month shipbuilders will have the opportunity to learn about budgeting, getting out of debt, saving for college and more.

Start the new year with a new financial strategy by registering for the January class, “Get Your Money Right,” to learn a seven-step system that takes the stress out of money. Classes are offered at 6 a.m., noon and 4:30 p.m. on Jan. 29 at various locations throughout the shipyard. Refreshments will be provided. Management-approved PTO/Flex is required during scheduled work hours. Check future issues of *Currents* for more details and registration information.



PMI-NNS Passes the “PMP Hat”

The Project Management Institute Organization at Newport News Shipbuilding (PMI-NNS) follows a “PMP Hat” passing tradition for newly certified Project Management Professionals (PMPs).

Shortly after an employee becomes certified, PMI-NNS members get together to pass the coveted “PMP Hat” to the newly certified PMP employee to recognize their success. This employee then keeps the hat until the next employee passes a PMP exam. **Kelvin Quarles** (E72) passed the “PMP Hat” to **Jordan Hubbard** (T55) in December.

For more information, visit the PMI-NNS website on MyNNS.



O53 Foremen **Daniel Santrock**, from left, **Richard Bailey** and **Meigan Worley**, who recently completed the Foreman Qualifications Standards, talk with O53 General Foreman **Lorrie West**.

Three Complete Foreman Qualification Standards

The Foreman Qualification Standards, or FQS, is one of the Management Development Center’s products designed for on-the-job leadership learning and development. Since its inception in 2012, FQS continues to grow the skills of Newport News Shipbuilding’s first-line leadership team.

O53 General Foreman **Lorrie West** recently nominated three of her foremen – **Meigan Worley**, **Richard Bailey** and **Daniel Santrock** – to sit before the FQS Board, the culmination of the FQS process.

Historically, participants go through this program individually, but Worley, Bailey and Santrock – all supervisors of material handling – worked together during the past several months to hone their leadership skills and abilities in preparation for their board appearance.

“Each of them have gained confidence,” West said. “They call each other instead of

calling me. They are more empowered.”

FQS principles have benefited the group of foremen and also equipped West to think more strategically, enabling her to become more in touch with her employees.

“The Foreman Qualification Standards have given me more insight into my foremen and what they go through. I’ve also realized this is a great tool to help me as I hire new foremen. It will help me make the best decision,” she said.

Worley, Bailey and Santrock rely on the connection they formed during the FQS. “I can see that I’m not alone when I’m struggling with something because we sat down together every week during FQS. We are a family,” Santrock said.

Contact **Danny Engle** (O25) at 380-7483 for more information about FQS or any of the *New Leader Experience: Leaders Development Guide* products.

On-the-Spot Ethics Awards Announced

The following shipbuilders were recently honored with Level Two On-the-Spot Ethics Awards: **Travis Compton** (E82), **Jeffrey Daniels** (E82), **Maurice Muse** (O51), **Kathy Donovan** (K07), **Phil Wygans** (AMSEC), **Sarah Winstead** (E83), **Ben Tronrud** (E84), **Allison Pierson** (O20), **Joshua Veca** (E22), **Brandy Stacy** (O69), **Christy Carson** (O53), **Thomas Roskowski** (O52) and **Milton Modlin** (O43).

To nominate a fellow employee, submit form C-941 to the Ethics Office, Dept. O18, Bldg. 500-1.

DATEBOOK

JANUARY 11

The "Spear and Gear" Toastmasters Club will host a meeting from 4:30 p.m. to 5:30 p.m. in Room 247 of The Apprentice School (Bldg. 1919). The event is open to all Newport News Shipbuilding employees and no RSVP is required. The event will provide a forum for employees to learn how to become more effective communicators and leaders. For more information, contact **Jason Paquette (E83)** at 534-2770.

JANUARY 13

The Apprentice School Student Association is hosting a trip to Washington, D.C., to watch the Washington Wizards take on the Brooklyn Nets. A bus will be provided and will leave the athletic field at noon. The game starts at 7 p.m. One ticket is \$15 and two are \$20. Limit two tickets per person. Visit bit.ly/ASSAbasketball to purchase tickets. For more information, visit apprenticestudents.com.

JANUARY 25

The "Spear and Gear" Toastmasters Club will host a meeting from 4:30 p.m. to 5:30 p.m. in Room 247 of The Apprentice School (Bldg. 1919). The event is open to all Newport News Shipbuilding employees and no RSVP is required. The event will provide a forum for employees to learn how to become more effective communicators and leaders. For more information, contact **Jason Paquette (E83)** at 534-2770.

FEBRUARY 3

The Apprentice School Student Association is hosting a Snowshoe Ski Trip. The bus is leaving at midnight on Feb. 2 from the Apprentice School Athletic Center. The cost is \$35 for the bus and lift tickets, or \$40 for bus, lift and rentals. Limit two tickets per apprentice. Tickets for alumni and staff will be available on Jan. 15, and additional tickets will be available on Jan. 22. Rental must be reserved from Ski World in Virginia Beach at least one week prior to trip. Rentals must be picked up the day before and returned after. Prices do not include meals. Visit bit.ly/ASSAsnowshoe to purchase tickets. For more information, visit apprenticestudents.com.

FEBRUARY 17

The Apprentice School Student Association is hosting a ski trip to Wintergreen. The bus is leaving the Athletic Center at 4:30 a.m. The cost is \$25 for bus and lift tickets, or \$30 for bus, lift and rentals. Limit two tickets per apprentice. Alumni and staff tickets are available on Jan. 22, and additional tickets are available on Jan. 29. Reserve rentals from Ski World in Virginia Beach at least one week prior to trip. Rentals must be picked up the day before and returned after. No meals included in the price. Buy tickets at bit.ly/ASSAwintergreen. For more information, visit apprenticestudents.com.



NEW! Monster Jam Discounts Available

While the cold weather almost always creates cabin fever, Monster Jam is coming to Hampton, providing a fun, indoor family activity.

The Monster Jam Triple Threat Series showcases athletes as they go head-to-head in seven different competitions, driving Monster Jam trucks, speedsters and ATVs. The shows run Jan. 19-21 at the Hampton Coliseum.

Tickets start at \$15 and can be purchased by calling 800-745-3000, at TicketMaster.com or at the Hampton Coliseum Box Office.

In addition, there will be a Pit Party where fans can meet the drivers, take pictures, get autographs and get up close to the Monster Jam trucks. Pit Passes and tickets are available at MonsterJam.com or at the Hampton Coliseum box office for \$10. Both an event ticket and a Pit Pass are required to enter the Pit Party.

Newport News Shipbuilding employees and their families can save up to 20 percent on tickets. Enter the offer code **HII17** when purchasing tickets online. Be sure to check the Huntington Ingalls Industries Facebook page for ticket giveaways.



Cover Photo: **Chris Perry** operates the Pattern Shop's five-axis CNC machine as it cuts a shape out of foam. Photo by **John Whalen**

SEEKING SHIPBUILDERS

Visit www.buildyourcareer.com to search for the latest NNS job openings.

Job Title	Req Number	Dept.	Location
Contract Administrator 3	21177BR	O19	Newport News
Contract Administrator 2	20074BR	O19	Newport News
Electrical Engineer 3	16724BR	E74	Newport News
Engineering Manager 2	21279BR	E68	Newport News
Production Planning & Scheduling Manager 3	21340BR	X44	Newport News
Test Engineering Manager 2	21470BR	E25	Newport News
Production Planning & Scheduling Manager 2	21527BR	O45	Newport News
General Accounting Manager 2	21593BR	O71	Newport News

Employees are encouraged to use the "Current HII Employees" portal to apply. The company continues to offer cash bonus awards for referrals to select positions, visit www.huntingtoningalls.com/careers/refer-a-friend for more information.



EMPLOYEE CLASSIFIEDS



AUDIO/VIDEO

Photography Service - Looking for photography services? (804) 835-1057

DJ - 10 years experience, custom playlists for any event, lighting effects and photography. (757) 869-1876

S6 Verizon Wireless - Samsung S6 in mint condition. New speck case off of VZW. \$200 OBO. (804) 731-7579

Two Kindles - Two kindles, original kindle and fire tablet. Both in excellent condition. \$100 for pair both w/cases. (804) 731-7579

AUTO

1997 Tahoe - 4x4 mechanic special. 230k miles. Clean interior. Outside in good condition with fading. Will need motor work. \$900. (757) 667-1063

1996 GMC Suburban - 301k miles. 5.7L V8. Runs great, no rust. Third row seat. Many new parts. \$2,000 OBO. (607) 321-3654

1996 Honda Accord - 4-cyl, manual tranny, 230k miles with new inspection. Tires in good condition. Mech. maintained and runs great. \$1,500. (757) 672-8256

2012 Harley Fatboy - With bags and windshield. \$10,900. (757) 803-5226

2015 Chevy Cruze (Turbo) - Like new. Fully loaded with sunroof, 7" touchscreen, backup camera, Pioneer stereo system. 45k miles. (804) 815-2241

2000 Jeep Cherokee Sport - Four-door 4x4 in good condition. Runs well. 120K miles. \$3,800 OBO. (757) 848-8085

2007 VW GTI - Red. 98K miles. Maintenance records. Daily driver. New timing belt and WP. Good condition. \$7,500. (757) 377-7926

Toyota Tacoma Wheels and Tires - OEM, 17" TRD Sport/Limited wheels. Mint condition. Tires have 35K miles. \$350. (757) 286-9599

Auto cont.

2008 328i BMW - Convertible hardtop, heated leather seats, navigation and sport package. 73,700 miles. Garage kept. \$12,800. (757) 353-9825

2003 Ford Crown Victoria - Runs great. Good condition. 202k miles. \$2,100 OBO. Text or call for pics. (757) 753-7285

BOAT & MARINE SUPPLY

Trailer With Free Boat - Free trailer with boat. Take one, have to take the other. No engine, just the shell in good shape. (757) 399-9910

HOBBIES

Premium Tools and Supplies - Welding/work gloves, Wiggy testers, Klein Pliers, many more. Limited supply. Prices negotiable. (757) 971-8020

Pool Table - 7-foot Little Jewel from Long's Billiards. Excellent condition. \$1,100 OBO. (757) 327-6105

1:1 Guitar Classes - Midtown NN. Flexible scheduling. Read/play std notation, chords/theory. Call/txt rates, class times. (757) 528-7017

VT Football Recruit Luncheon - Jan. 17 at 11:30 a.m. at Boathouse Live. Speaker: Zohn Burden (VT RB Coach). \$20 Lunch Buffett. (757) 303-7889

Pool Table - Regulation pool table with 2 sticks, balls and rack. \$500 OBO. (757) 399-9910

FURNISHINGS & APPLIANCES

LG 21 Cubic Ft. Refrigerator - Top freezer refrigerator (white) w/ice maker in like-new condition. \$200. (757) 599-4134

Solid Cherry Hutch - Henkel Harris Queen Anne style. Matching table. 73x20. \$700 OBO. (757) 718-1130

Furnishings and Appliances cont.

Appliances for Sale - Samsung wifi washer, \$300. Electric dryer, \$50. 2 chest freezer, \$50 each. Refrigerator, \$75. (757) 399-9910

REAL ESTATE

Real Estate Wanted - We buy homes "as-is." Text (757) 656-6373

House for Rent in Old Wythe - 2 bdrm/1ba house in Hampton. 1 street from water. 10 minutes from NNS. Large rooms. \$1,100/month neg. (757) 636-2544

Lots for Sale - Two 1/2 acre lots for sale on tidal canal in Gloucester. (757) 641-4994

MISCELLANEOUS

Paradise Vacation - Bahia Principe 1 week vacation - All inclusive. Mexico, Dom. Rep. or Jamaica. Exp. 6/2018 \$650-\$850. (757) 739-8879

Split Firewood for Sale - Hardwood. 1/2 cord \$95. Full cord \$180. (757) 715-5460

Items - NXT Star Trac Spin Bike, \$575. Whirlpool Caprio black washer and dryer, \$725. (757) 218-2946

Items - Vacuums \$25 and up. Carpet cleaners, \$50. Ionic air purifiers, \$45 and \$65. Steam cleaners, \$35-\$75. (757) 218-2946

Exercise Equipment - Treadmills, \$135-\$399. Ellipticals \$50-\$250. Exercise bikes, \$65-\$220. Tread Climber TC 10, \$420. (757) 218-2946

Mens Wool Jacket - Large men's black peacoat from Express. \$100 OBO. (757) 647-8913

Pest Terminator - Free inspections. Expert pest, termite, moisture control, under house repairs and poly installation. (757) 873-4999

Honda Push Mower - Mulch or bag. Excellent condition. 1-year-old. \$300. (757) 593-0508

Miscellaneous cont.

Gutter Cleaning - We clean gutters by hand, bag the debris, flush your down spouts. Licensed and Insured. (757) 810-5115

House Washing - House, roof and concrete cleaning. Most of our methods are used with less than 500 PSI. Licensed. (757) 810-5115

House Cleaning - Weather is cold and dark, but I can keep your home warm and bright. Free quotes. Licensed and insured. (254) 368-8320

Home Cleaning - General home cleaning. Free estimates. Special occasion cleaning welcomed. Licensed and insured. (757) 371-3904

Piano for Sale - Whitney by Kimball Console piano in good condition. Have pics. \$350. (757) 817-5607

WANTED

Reddy Heater 110-125,000 BTU - Looking for a for Reddy heater that's in great shape that has a thermostat and runs on K-1 kerosene. (757) 592-1100

Lego Toys - Looking to buy Lego-branded toys. Collections of all sizes. Used for custom models and collecting. (203) 260-0875

Washer and Dryer - Broken washers and dryers that are in your way. Will pick up for free. (757) 617-0100

PETS

Olde English Bulldogge Pups - Pups ready Jan 23. Tails docked, wormed, 2 sets of shots. 3 males left. loeba reg generational. (757) 969-2447

Boxer - 5-year-old fixed female boxer. Free to a good home. Great dog, good with children and othe (757) 399-9910