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Capt. David Back, USN Commanding Officer



Dr. Peter Adair, SES **Technical Director**

About the Publication

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On the Cover



12 Bay County high school students participated in the Science and Engineering Apprentice Program and toured three tenant commands at Naval Surface Activity Panama City.

U.S. Navy photo by Cierra Burch

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EDITOR'S NOTE: Photos featured in this edition occurred during a time when COVID-19 restrictions were reduced to Health Protection Condition Bravo.





Our mission and goal is always in support of the warfighter and delivering capabilities and services they need to do their jobs on the front lines. The work you do each day is a representation of the Navy and our Nation, and for that I thank you. "

> - Capt. David Back, USN Commanding Officer

NSWC PCD Team,

This edition of the View from the Bridge is all about why NSWC PCD is recognized as a model organization.

The release of this comes at a perfect time as the Technical Director and I. along with all Warfare Center leadership, just wrapped up a week-long Warfare Center Face-to-Face in Newport, Rhode Island where Naval Undersea Warfare Center (NUWC) and NUWC Newport are collocated. Although the main topic of the offsite was how to execute our mission-critical work in an environment of flat budgets and hiring only to attrition, and how each of the warfare centers looks to the future and develops the right government workforce for 5 and 10 years in the future. I am very optimistic about this, especially in light of our excellent manpower analytics and the highly skilled work force we have today. Being a model organization is a vital component of attracting the right people, promoting their contributions to the mission, retaining them, and setting them up for success and growth within the warfare center.

To be a model organization, we have to be the employer of choice. Our Human Resources and Recruiting teams in our Corporate Operations Department are recruiting the top talent across the nation and our Workforce Development team is helping to develop our teammates into the leaders of tomorrow, a task made more difficult by the hybrid environment needed to promote a healthy workplace during the pandemic. Although the majority of the work happens at the individual level, we are working to provide

as many ways to make these interactions easier. For example, we recently procured new webcams and headsets for the workforce to use to make virtual meetings and virtual communication easier and more effective. In addition, our new EEO team is developing great programs to further emphasize and solidify the importance of instilling a culture of inclusion and engagement in all we do. The PCD team is also continuing to deliver business solutions that meet employee needs such as the urgent purchase process recently introduced to ensure we can rapidly procure products to deliver products and services to the warfighter.

Being the partner of choice is also another way to be the employer of choice; our direct support of the warfighter is something that resonates with most of you in a way that working in a commercial business would not. I am proud of the work our Command does each day to establish and maintain an enduring reputation for our organization's technical and business capabilities; providing quality products and services strengthens relationships with our partners and stakeholders. Our mission and goal is always in support of the warfighter and delivering capabilities and services they need to do their jobs on the front lines. The work you do each day is a representation of the Navy and our Nation, and for that I thank you.

Finally, we have to be the collaborator of choice. Here at NSWC PCD, we strive to foster a culture of collaboration, both between departments and codes here at PCD and with

outside organizations. In addition to existing internal cooperation, I am also seeing a lot of collaboration between our projects and other Commands within our fence line. Outside the fence line, you are traveling all over the world to meet mission requirements and provide direct fleet support. Working with industry, academia, other branches of service, and our own local community fosters growth for all players involved. Growing and sustaining our network of collaborators not only helps us as a Command, but it strengthens our abilities and capabilities we provide to the warfighter by working together as one team.

Since Dr. Adair issued the last View from the Bridge we have had a shift in plans. Due to the unmistakable impact of the COVID-19 Delta variant in our local community, the Command (along with most of the Navy's Southeast Region) has shifted back to Health Protection Condition Charlie Minus. What this means is that although we are not requiring temperature checks at the gate, all precautions are in place (including social distancing and masking) regardless of vaccination status. This change puts us back into Phase 1 of return to office and lessens the number of individuals we have on base at one time. Maximum telework is still encouraged as mission requirements allow. Contact your supervisor for specific guidance as it relates to you and your team. Please continue to follow proper protocols and be safe and healthy.

Capt. David Back NSWC PCD Commanding Officer



CODE 01 Cory Bruckschen Kimberly Fox Charles Russell	01B1 01B1 01B1	CODE E Louis Barba Mackenzie Brogdon Anthony Bush Kevin Daniels Justin Johnson Donald Kelly David Emery Dakota Fisher Wesley Gerow Wendy Hankins Thinh Le An Stephanie Maglothin Justin Pizza Paul Penewitt James Turner Morgan Ridler Steven Roberts Brandy Robbins Raleigh Sellers Robert Smith Holli Van Camp Patricia Voran James Wallace Matthew Weisensale	E32 E53 E42 E35 E25 E43 E13 E26 E24 E40 E41 E41 E42 E42 E50 E41 E35 E43 E32 E41 E25
CODE 10 Christopher Bill Charles Faircloth Kinsley Faulkenberry Whitney Gillman Nicole Gonzales Katrina Helm Daniel Kahlhamer TSgt. Tatchy Kragbe Pamela Smelcer	1041 1042 1071 1011 1013 1011 10E 104 1061		
CODE A Christopher Carter Thanh Dang Eboni Ditimus Katherine Garner Daniel Greenlee Jason Hadley Miguel Hernandez Nicholas Hussey	A30 A43 A22 A14 A23 A21 A44 A43		
Jamie Kelly Brian Lee Ronald Miller Hannah Olson Jessica Ondrizek Tanner Reynolds Zachary Sandoval Emily Smith Eduardo Trevino Samantha Tritt	A43 A44 A31 A41 A13 A11 A44 A42 A12 A11	CODE X Nathaniel Fuller Lauren Gaczewski Francisco Garcia-Ortiz Andrew Matson Brian O'Neill Samuel Rea Ryan Todd	X11 X10 X21 X10 X21 X24
CODE 02 Alan Bou		024 024	

Ö	CIVILIAN	
	LENGTH	
	of SERVICE	

1	GARY KIRKPATRICK

JAMES BRYAN **GARRETT LEAVITT JANET STONE**

TIMOTHY ALEXANDER

LAURA BEACOM

SAROJ BONO **CLINTON ERWIN** JEREMY HATCHER **LARRY JACKSON** LINDA MEYER

TAMMY BUSHMAN LINDA STRICKLAND

MICHAEL CREEL **KELLY ELROD** CHARLES GREEN JR. JODI HENDRIX MICHELLE KINCER **ROBBIE KURTH COLLEEN MCCOY** LACIE MEEKS **EVAN SARANTOS** PHILIP WILLIAMS

FRANK ALLEN JORDAN BOLDUC **CARLOS CRESPO NICHOLAS DALE** PAUL DRENSEK TRENT FRUHWIRTH JOSHUA HINTON MICHAEL KNIGHT **ROBERT MONTALBANO** Melissa Padgett ALLIE PRATHER **ALLISON PRICE ERIC QUEEN AUSTIN SCHWARZ** TERRY SILAS

CODY SUBJECT

BEPREPARED: NSWC PCD Emergency Manager LESSONS LEARNED

ARE YOU TRULY READY FOR HURRICANE SEASON?

An above average Hurricane season has been predicted...again! Now is a good time to review your Hurricane Preparedness. We have already had tornadoes and some flooding across the Panhandle of Florida already in 2021 and COVID19 can still be an issue. The new Hurricane season already has named storms in the Atlantic and the Pacific! What can we do to be prepared if a destructive weather event comes our way?

GATHER SUPPLIES

- Gas, water, and basic food staples are quickly depleted when people get edgy.
- Don't wait until a storm comes, stock up early.
- Have one gallon of water per person and pet per day for five-seven days if evacuating (take it with you), and 10-14 days if staying.
- Have non-perishable foods on hand for the same amount of time for each scenario.
- Have cash on hand for use when the power is out.
- Never let your car go below half a tank between 1 June and 30 November (Hurricane Season).
- Keep propane tanks full or have enough charcoal for a grill to cook the meat in your freezer, a little at a time, if the power is out for an extended period of time.
- Have tarps, rope, duct tape and disposable work gloves ready.

EVACUATE

Have an evacuation and communication plan.

Previous years saw long lines of slowly moving traffic in Florida as evacuation orders were obeyed. Gas, basic food staples and ice became hard to find. I strongly suggest you set your own threshold for when you would want to leave and don't wait!

Where do you intend to go? Have more than one location in mind dependent on storm track. Hotels may be hard to find and rooms may not be clean to your standard even in the COVID19 environment. Driving times triple or quadruple when the evacuation order is given, due to traffic congestion and accidents along routes. Be sure to let someone know when you leave, where you plan to go, and when you arrive. Don't forget to ensure your contact information in NFAAS is up to date and keep in touch with your supervisor!

SHELTERS

Shelters can get crowded in a hurry! As I watched interviews on television with folks in shelters and read interviews written in the news, one thing was abundantly clear – many people have unrealistic expectations of shelter life. You will live in close proximity to total strangers from a cross section of life who all have different customs, standards of hygiene, diets, etc.. You will wait in line to get into the shelter, for food, for a shower, to use the toilet, for a chance to charge a cell phone, (when the power is working), and you will wait for the "All Clear" to go home. Trust me, this will try your patience, your ability to tolerate others, and your attitude. Remember, you are all in the same boat, anxious, possibly scared, and emotionally drained, but at least, you are safe. In a COVID19 environment, staying at a shelter can be a life or death decision for some. For others it could mean being sick or feeling unwell for an extended period of time.

STAY HOME

If you choose to stay at home, be sure you are prepared to be on your own for some time. Once sustained winds get above 45 miles per hour, bridges close. Police, rescue, and fire vehicles will not be dispatched! You may be stranded without help for hours at minimum, potentially days. You are truly on your own. Take the opportunity to prepare now. Review your homeowners or renters insurance to ensure you have enough coverage. Floodwater rushing into your home is not something most people prepare to experience in person. Ask Houston, Texas; just because it has never flooded here before doesn't mean it can't flood here now. Even though your mobile home is attached to a foundation does not mean wind and water won't return it to a mobile status. A hole in the roof is hard to fix with 50 mile-per-hour winds. Broken windows quickly become safety hazards, and insects, snakes and critters are all looking for the same safety and dry spot on your high ground. If you decide to try and leave at the last minute and the roads are flooded, turn around – don't drown!! Each year, many people who die from hurricanes or severe tropical storms are people found drowned in vehicles once waters recede, and still others are lost wading into moving water.

The real question is not "if" it will happen, rather "when" will it happen to any one of us?

BE SMART! BE PREPARED! HAVE A PLAN!

PREPARING FOR HURRICANE

By Carlos J. Castillo, Acting Deputy Administrator of Resilience, FEMA

DURING COVID-19

As you continue to take precautions to keep yourself and your family safe from the coronavirus (COVID-19) pandemic, it is important to stay prepared for other disasters. Hurricane season began on June 1, and the time to prepare is now.

FEMA continues to coordinate with state, local, tribal, and territorial officials, along with the private

sector, to share operational guidance and to encourage hurricane planning that reflects public health guidelines. While many preparedness tools available to you are the same, certain actions may look different while COVID-19 remains a concern. FEMA has updated guidelines for preparing for hurricane season.

PREPARATION

Visit Ready.gov for more tips





Gather Supplies

Have enough food, water, and other supplies for every member of your family to last at least five days. Consider what unique needs your family might have, such as supplies for pets or prescription medications. In addition, it is recommended that you add two-cloth face coverings per family member and cleaning items to your kit, like soap, hand sanitizer, disinfecting wipes, or general household cleaning supplies to disinfect surfaces. After a hurricane, you may not have access to these supplies for days or even weeks. Preparing now ensures that you are well-equipped to stay safe if you need to quickly grab your go-kit and evacuate. Children under two years old and people who have trouble breathing should not wear cloth face coverings.

As you prepare, be mindful that not everyone can afford to respond by stocking up on necessities. For those who can afford it, making essential purchases in advance will allow for longer time periods between shopping trips and help to protect those who are unable to procure essentials in advance of the pandemic and must shop more frequently.



Download the FEMA mobile app

Available in English and Spanish, the app provides a customizable checklist of emergency supplies, maps of open shelters and recovery centers, disaster survival tips, and weather alerts from the National Weather Service.



Make an Emergency Plan

Make sure everyone in your household knows and understands your hurricane plan. Discuss the latest CDC guidance on COVID-19 and how it may affect your hurricane planning. Don't forget a plan for the office, kids' daycare, and anywhere you frequent.



Know Your Evacuation Route

Check with local officials about updated evacuation shelters for this year. You should note that your regular shelter may not be open this year due to COVID-19. If you evacuate to a community shelter, follow the latest guidelines from the Centers for Disease Control and Prevention (CDC).

While at the shelter, be sure to wash your hands regularly. If possible, be sure to maintain a physical distance of at least six feet of space between you and people who aren't members of your household.

DISASTERS WON'T WAIT NEITHER SHOULD YOU

DOWNLOAD THE NEASS APP







In times of emergency or crisis, NFAAS is an EFFECTIVE AND ESSENTIAL TOOL for mustering and documenting the needs of our personnel.

At least twice a year, military service members and government employees receive an email that asks them to update their NFAAS accounts at https://navyfamily.navy.mil

HURRICANE RESOURCES

EMERGENCY SITUATIONS

Dial 9-1-1

www.fcc.gov/ consumers/guides/911-wireless-services

LOCAL EMERGENCY INFORMATION

850-234-4900

http://facebook.com/ NSWCPCD/

ISA PC: 850-234-4100 https://www.facebook. com/NSAPC/

American Red Cross

http://www.redcross.org/

Federal Emergency Management Agency (FEMA)

1 (800) 621-FEMA (3362)

www.disasterassistance.gov/

Bay County Traffic Cams

http://tmc.baycountyfl.gov/ Default.aspx

Navy Family Accountability & Assessment System navyfamily.navy.mil

Navy Ready

https://ready.navy.mil/

National Oceanographic and Atmospheric Administration (NOAA) **Hurricane Center**

www.nhc.noaa.gov/

Ready. Prepare. Plan. Stay Informed. www.ready.gov/

The Salvation Army

http://disaster. salvationarmyusa.org/ aboutus/?ourservices

Florida 511

Dial 5-1-1 or <u>www.fl511.com</u>

The Weather Channe https://weather.com/

LOCAL NEWS STATIONS:

WJHG-TV, **News Channel 7**

www.wjhg.com facebook.com/NEWS7

WMBB-TV, **News Channel 13**

www.mypanhandle.com <u>faceboók.com/WMBBTV</u>

HURRICANE EMERGENCY WEATHER



- Fill **GAS TANK** and additional fuel for larger vehicles.
- **STOCK SUPPLIES:** canned goods, batteries, special medication, cleaning supplies and two cloth face coverings per family member.
- SEVERAL DAYS OF DRINKING WATER. Fill bathtub and extra containers. One gallon a day per person is recommended.
- Know the **FLOODING HISTORY** and elevation in your area. Review the Bay County Flood and Evacuation Zones at: www.co.bay.fl.us/511/Evacuation-Zones
- Clear CLOGGED RAIN GUTTERS and downspouts in the event of heavy rainfall.

- Learn safe **EVACUATION ROUTES**. Be prepared to leave in enough time for any road closures.
- **SECURE PROPERTY**, including loose lawn furniture. Permanent storm shutters offer the best protection for windows.
- **MOVE VALUABLES** in the house to high, dry, and secure areas, which could include the washer or dryer, as well as the oven.
- **TURN REFRIGERATOR** to maximum coldness and don't open unless necessary.
- **EVACUATE EARLY, during daylight if** possible. Remember the Hathaway Bridge will close when winds exceed 40 mph.





LEADERSHIP TOUR **CENTER FOR INNOVATION**

Command leadership visited the Center for Innovation spaces 30 June. The Center for Innovation spaces create an environment where you can foster collaboration and innovation, determine solutions, work hands-on to develop a prototype, and more! Leadership learned about the functionality of the Center for Innovation spaces available now to the workforce including additive manufacturing, 3D printing, prototyping, fabrication, and other machining and manufacturing needs. Not only does this innovative facilitator help to rapidly deliver solutions, but it helps to decrease time to deliver products & services by exploring bold and risky ideas, and by creating a culture of responsible risk taking and increases agility to meet emerging needs by cultivating a culture of innovation and experimentation. If you want to do innovative work on base, the Center for Innovation has the capabilities you need to be creative and develop the Navy's next solution.



The Center for Innovation is in two buildings:



Bldg. 581 - This center has an interactive collaboration space allowing for discussions at multiple classification levels, to include tools to support early stage rapid prototyping and concept generation.



Bldg. 431 – This center has two spaces commonly known as the Machine Shops and the Maker Space. These spaces have been enhanced with capabilities to turn your ideas into prototypes. On top of a modular collaboration room, the spaces have been bolstered with machining and manufacturing equipment needed to deliver fully functional prototypes.





HSC-21 Detachment Five personnel briefed Vice President Kamala Harris about Naval Surface Warfare Center Panama City Division's (NSWC PCD) Airborne Laser Mine Detection System (ALMDS) and Airborne Mine Neutralization System (AMNS) in Singapore onboard the USS Tulsa August 23. Lt. Colleen Fricke, currently deployed with Detachment Five, discussed the capabilities of ALMDS and AMNS systems and how they are employed to detect and neutralize mines. She also outlined HSC-21 as one of only two operational HSC squadrons tasked with mine warfare. NSWC PCD is the force behind the fleet and the home of mine warfare with our roots dating back to the 1940s. U.S. Navy photo

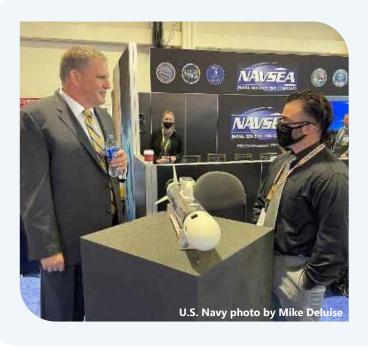


US Navy Photo

DR. ADAIR APPOINTED TO SENIOR **EXECUTIVE**

Dr. Peter Adair, Tehcnical Director for NSWC PCD, recieves his appointment certificate for the Senior Executive Service (SES) from Rear Admiral Kevin Byrne, Commander, NAVSEA Warfare Centers during the Warefare Center's Leadership Team meeting, August 31, 2021.





SEA AIR SPACE

The Honorable James E. Geurts, former acting Undersecretary of the Navy, stopped by the Naval Sea Systems Command booth at Sea Air Space 2021 August 2. He spoke with Frank Allen, an engineer from Naval Surface Warfare Center Panama City Division, about the Disposable/Reusable Expeditionary Warfare Unmanned Vehicle (DREWUV) on display as part of the event.



Camp Hero July 21. Providing robust science, technology, engineering, and mathematics education at an early age helps promote and encourage students to aspire to be the scientists and engineers of tomorrow.

Naval Support Activity Panama City participated in Summer Camp Hero July 21. More than 30 foster children ages 7-12 got a chance to learn about the installation's mission.

Naval Surface Warfare Center Panama City Division's STEM Outreach Program Manager, Chris Voorheis, and engineer, Kinsey Taylor, engaged and performed two STEM experiments. Taylor showcased penny boats to demonstrate a simple physics concept like buoyancy. The kids used engineering skills in the scientific method to determine the best shape for their boats. By adding pennies, the students were able to test their hypothesis and see how well their design floats.

Voorheis helped the children create soda-straw rockets. The paper rockets demonstrate how systems move through the atmosphere when external forces are working against the rocket, such as drag and gravity. The kids used engineering skills in the scientific method to place fans in different locations on the rocket. They were also introduced to testing their hypothesis and how fin placement impacts the distance a rocket can fly. Both demonstrations illustrated how STEM is part of the NSA Panama City's mission.

Machinist's Mate 3rd Class Bobby Reeves and Boatswain's Mate 2nd Class Dcarlos Coleman shared their personal experience with growing up in foster care and overcoming adversity. They also discussed their careers in the Navy and how to join the Armed Forces.

U.S. Navy photos by Re-Essa Buckels





PANAMA STE CAMP









Three engineers from NSWC PCD, who are part of the Florida State University Panama City (FSU PC) Master of Science in Systems Engineering cohort supported the FSU PC STEM Camp for middle school students June 24. The students spent the morning learning about the functionality of robotics and finished their day demonstrating drones by challenging one another to a complex obstacle course. NSWC PCD and FSU PC are partners in collaboration under an education partnership agreement benefitting both the needs of the Navy and academia. This further solidifies NSWC PCD's efforts to be recognized as a model organization being the partner and collaborator of choice.

U.S. Navy photo by Katherine Mapp



SE-AP INTERNS

By Katherine Mapp, NSWC PCD Public Affairs

U.S. Navy photos by Cierra Burch & Eddie Green

This summer, 12 Bay District Schools high school students took part in the Science and Engineering Apprentice Program (SEAP). This program was developed to encourage participating high school students to pursue science and engineering careers, to further their education via mentoring from Navy laboratory personnel, and allow them to participate in Navy relevant research and technology efforts, which can lead to employment with Panama City's "Navy Lab," also known as Naval Surface Warfare Center Panama City Division (NSWC PCD).

Students were able to visit three tenant commands at Naval Support Activity Panama City for a tour on July 27. During the tour, students learned more about Naval Diving and Salvage Training Center, Navy Experimental Diving unit, and NSWC PCD- learning about diving, pressurization, unmanned vehicles both underwater and aerial, and engaging in hands-on learning about the ways Panama City supports the U.S. Navy and beyond.















Students are continuing to further their education long after the traditional school year is over. Naval Surface Warfare Center Panama City Division (NSWC PCD) welcomed 18 college students for a tenweek summer internship.

Naval Research Enterprise Internship Program (NREIP) provides an opportunity for college students to participate in research at a Department of Navy (DoN) laboratory during the summer.

The goals of NREIP are to encourage participating college students to pursue science and engineering careers, to further their education via mentoring by laboratory personnel and their participation in research, and to make them aware of DoN research and technology efforts, which can lead to employment within the DoN.

Rebecca Boxerman, incoming Office of Naval Research global science advisor to Naval Surface Forces Command, NREIP mentor at NSWC PCD and former NREIP intern, said she wanted to give back to the program that gave so much to her.

"I am incredibly passionate about mentorship, but more than anything because this is where I got my start with the Navy," said Boxerman. "I was an NREIP intern in 2006 and had the opportunity to work on an airborne support system that is in the Fleet today. I want to give back to the program, because it gave so much to me."

Boxerman said she encourages others at all stages of their career to step up and make themselves available to the next generation of engineers, scientists, and support staff.

Shauna Love-vonKnoblauch, NSWC PCD student programs lead, said hosting the interns aligns with NSWC PCD's strategic campaign plan and paves the way for promising careers with the Navy.

"In NSWC PCD's strategic goal to be recognized as a model organization, programs such as the NREIP program support the command to be the employer of choice by enabling an opportunity to recruit, develop, and retain top talented personnel," said Love-vonKnoblauch.

Julizette Melgar, NREIP intern and University of South Florida student, said she applied to the NREIP program because it opened doors to being able to research on projects she was interested in, such as unmanned systems and systems modeling.

"I wanted to be a part of the diverse technical workforce that is dedicated to improving Navy and Marine Corps operations," said Melgar. "I have enjoyed learning more about design and countermeasures systems. It has been a great opportunity to expand my knowledge and grow as a professional."

Melgar said she believes the program plays a key role in her professional development.

"The NREIP program is important for my development, because I am learning more about what it's like to be an engineer on the day-to-day basis," said Melgar. "I am gaining experience to the professional environment and am learning the importance of skills like communication and discipline."

As part of their internship, the interns attended a tour of NSWC PCD to learn more about the command's mission areas, capabilities, and opportunities. Between NSWC PCD and Navy Experimental Diving Unit, ten Universities are represented at Panama City Navy laboratories.

NREIP provides competitive research internships to approximately 800 college students this year conducting research at 44 DoN laboratories across the country.

NSWC SUMMER PCD INTERNSHIPS

NREIP

NAVAL RESEARCH ENTERPRISE INTERNSHIP PROGRAM

For more information, go to: https://navalsteminterns.us/nreip/

ELIGIBILITY

APPLICANT MUST BE

- Enrolled full time at an accredited four-year college (see below for exceptions)
- · Solely U.S. citizens (see exceptions below)
- On track to acquire a minimum of 31 credits by the start of the internship
- Students graduating the spring semester before the internship or later (winter graduates not eligible)
- Majoring in subjects relevant to the research interests of the laboratories

EXCEPTIONS

- Students attending two-year colleges in relevant majors and who meet credit requirements, may be eligible at the laboratory discretion. Those students should directly contact the laboratory of interest to determine eligibility
- Some labs make exceptions for Permanent Residents and Dual Citizens. Students should check individual lab pages for eligibility
- High school students taking college courses are not eligible but are invited to apply to our SEAP program

DURATION



10 WEEKS

With the possibility of extending up to four additional weeks

STIPEND



8,500

Returning Undergraduate Students
Students MUST have completed

Students MUST have completed a full 10-week program in a prior year to receive this level

11K

Graduate Student

Students must currently be in graduate school and taking graduate school courses to receive this level

Stipend levels will be determined by the student's year of participation in the NREIP program.
Stipends will be paid bi-weekly via direct deposit.

For more information, go to:

https://navalsteminterns.us/seap/

SEAP SCIENCE & ENGINEERING APPRENTICE PROGRAM

APPLICANT MUST BE

ELIGIBILITY

- High school students who have completed at least Grade 9
- Must be currently enrolled in high school (but may be taking college level classes for college credit)
- · Graduating seniors are eligible to apply
- Must be 16 years of age or older by the internship start date to participate
- Solely U.S. Citizens (some labs make exceptions for Permanent Residents and Dual Citizens. Students should check individual lab pages for eligibility)

DURATION

8 WEEKS

With the possibility of extending up to two additional weeks

STIPEND

3,500 New Participant

4,000

Returning Participants

Stipend levels will be determined by the student's years of participation in SEAP and will be paid bi-weekly via direct deposit.

HOW IT WORKS



Choose Your Labs



Apply by Deadline



Receive Lab Decisions



Accept Your Placement



Embark on Your Next Adventure!

NAVY AWARDS







By Katherine Mapp, NSWC PCD Public Affairs

PANAMA CITY, Fla. - The Navy Lab in Panama City recently facilitated the award of 19 robotics grants to 15 Bay County Schools in the District.

The Naval Surface Warfare Center Panama City Division (NSWC PCD) partnered with the Department of Defense (DoD) Science, Technology, Engineering and Mathematics (STEM) to facilitate the award of robotics grants to schools who are taking part in the FIRST (For Inspiration and Recognition of Science and Technology) Lego League robotics program this academic year.

To foster a culture of innovation and collaboration, NSWC PCD provides mentors and coaches to support each team as they prepare to compete in the District competition in January 2022.

Chris Voorheis, STEM outreach coordinator at NSWC PCD, said providing this opportunity to the schools increases and encourages STEM education at all levels.

"Awarding these FIRST grants has a profound impact, because it allows us to expand the Navy Lab's K-12 STEM enrichment into rural and underserved areas of Bay County, teaching concepts like automation, computer science, and robotics," said Voorheis. "The mission of our STEM Outreach Program is to enrich STEM education across Northwest Florida by increasing hands-on STEM experiences, partnering with DoD STEM and FIRST allows us to accomplish this. Directly supporting these types of initiatives also ensures the Navy Lab remains a model organization and a future employer of choice for our local students."

Kelley Hodges, STEM teacher at Patronis Elementary School, said students in K-12 science are expected to develop many skills throughout their education, including process skills, such as observation,

predicting, experimenting, and communicating. With these skills, they are expected to become problem solvers and people who can identify solutions to complex problems through the use of STEM principles.

"The FIRST Lego League grants provided through DoD STEM give teachers and students robots and curriculum that support students as they learn new skills, such as coding, and as they develop their ability to identify problems and develop meaningful solutions," said Hodges. "Perhaps the most valuable tool for teachers is a component embedded within the FIRST Lego League mission, which is to encourage students to be inclusive, to collaborate, and to communicate through teamwork and gracious professionalism. These skills are at the heart of STEM education and something students will take with them into their adult years."

Hodges said she and her students are excited to put the grants into action through STEM learning.

"I was thrilled to receive a DoD STEM grant and so excited for our students. Knowing that I can bring quality STEM education to my students is a great feeling," said Hodges. "Our students love having the opportunity to design, create, and innovate and they especially love working together to learn about robotics and coding. Teaching STEM is one of the most rewarding parts of my job, it is a window into how students think, create, and learn. Grants like this allow teachers, like me, to bring science, technology, engineering, and mathematics to students from every background."

The grants encourage and promote an interest of STEM education from an early age to develop the STEM professionals of tomorrow.

"The DoD STEM FIRST Robotics Grants allow DoD to provide meaningful STEM learning opportunities for students and educators in PreK-12, while also increasing awareness about DoD STEM education and workforce development programs, activities and outreach," said Director of DoD STEM Louie Lopez. "DoD STEM funding allows students, many of whom are military connected or underrepresented in STEM fields, to participate in exemplary FIRST® programs, which include FIRST LEGO League and FIRST Robotics Competition. The grants also provide ways for the DoD workforce—educators, scientists, engineers, and other STEM professionals—to meaningfully engage with students, parents, teachers and the public in STEM initiatives. In partnership with FIRST, current DoD workforce members coach and mentor robotics teams near DoD laboratories and facilities across the nation and world."

Since 2009, DoD STEM sponsorship has grown from 49 teams to more than 1,600 teams annually, covering the nation, ten foreign countries and two U.S. territories. For the 2021–2022 season, 1,644 teams were awarded funds for season registration. The DoD STEM Robotics Grants are administered through the Defense STEM Education Consortium, which itself is a program of the Office of the Undersecretary of Defense for Research and Engineering.

"We are proud to support FIRST Robotics and promote opportunities for military-connected teams and students," said Lopez.

Voorheis added this year he has seen local participation in the FIRST Robotics program nearly double.

To learn more about FIRST and other DoD STEM programs and opportunities, visit dodstem.us.

NSWC PANAMA CITY DEVELOPS

URGENT PURCHASE REQUEST PROCESS

TO MEET EMERGING NEEDS

By Katherine Mapp, NSWC PCD Public Affairs

PANAMA CITY, Fla. — Naval Surface Warfare Center Panama City Division's (NSWC PCD) Purchasing Branch has developed an urgent purchase request process to enable the workforce to meet emerging needs and rapidly deliver solutions.

The Urgent Purchase Request Process is a localized process to NSWC PCD to fit the functionality and perform with the local Requirements Form (RF) tool and its metrics database.

Brandt Weilbacher, Property Management division head at NSWC PCD, said his team identified a need to make the pre-existing Urgent Process easier by combining an "urgent" check box on the RF Tool that can be selected during the initial RF creation. Once marked the only additional step of the RF creator is to attach an approval email from their department head or deputy department head that states the approval of the urgent order.

"When the 1071 Purchasing Branch receives an RF that is marked as urgent with the attached approval email it is worked at the top of the processing que to ensure the purchasing team is providing rapid solutions to the Warfighter through expeditious procurement screening and processing utilizing the One Team approach," said Weilbacher. "This new Urgent Purchase Request Process has replaced a more laborious and analog workflow of sending emails to be expedited all while having to manually track the urgent metrics."

The Purchasing Branch teamed up with the Information Technology (IT) Division to have the Urgent Process added to the RF tool and develop the desired metrics tracking. IT was able to quickly turn around this requirement and publish the desired changes to the RF tool.

Dr. Andrew Schicho, High Volume Long Range Precision Strike lead engineer at NSWC PCD, said during a recent test event, a Power Distribution Box (PDB) and Control Electronics Box (CEB) suffered damage and required repairs. With a demonstration event upcoming, the team needed to troubleshoot the issue, order replacement parts, and repair these boxes in approximately one month.

After identifying the hardware, which needed replacement, the teams lead electrical engineer, Gavin Taylor, used the urgent purchase process and received the materials needed in less than a month allowing the team to repair the PDB and CEB.

"Repairing these critical components allowed us to complete testing of the Expeditionary Launch Module and attend our demonstration on schedule," said Schicho. "Without the Urgent Purchase Request Process, we could have been forced to delay testing, reschedule travel, and miss project deadlines affecting multiple internal and external partners."

Leveraging the Urgent Purchase Request Process played a key role in supporting this critical path.

"It was the goal of Property Management and all collaborators to provide a streamlined process for the workforce while being able to simultaneously capture and provide metrics for leadership," said Weilbacher. "When there is an urgent need, it needs to be visible to everyone involved and this new process provides that visibility."

NSWC PCD EMPLOYEES RECEIVE NAVY

Service Medals

By Cierra Burch, NSWC PCD Public Affairs

U.S. Navy photos by Eddie Greene

PANAMA CITY, Fla. – Naval Surface Warfare Center Panama City Division (NSWC PCD) presented 17 Navy Civilian Service Achievement Medals June 21. The medals recognize those who sustained performance or specific achievement of a superlative nature at the equivalent level of the Navy.

Recipients were awarded for their dedication to the success and health of the command.

Robert Walker, deputy technical director at NSWC PCD, said it is an honor to recognize those who prioritized the well-being of everyone and hit the ground running to create process improvements and meet a seemingly impossible demand.

"It's always a great day when we are able to recognize employee achievements for the work they do supporting the warfighter," said Walker. "However, today's awards are equally important but uniquely different as they are presented, because during a nationwide pandemic each of the recipients found it within themselves to look beyond their own needs and provide solutions that served the greater good."

Individuals awarded were a part of projects including reducing the level of risk of programs, creating ventilators at the breakout of COVID-19, producing hand sanitizer for the command, and creating kits which enabled lip reading.

Capt. David Back, NSWC PCD commanding officer, emphasized the impact the awardees had.

"These awards recognize those who created a path when there wasn't one during such uncertain times," said Back. "After facing many challenges, our personnel developed solutions that impacted our community and those beyond."

Lacie Meeks shared her gratitude for receiving this award and for the support of her supervisors.

"I am beyond grateful to be recognized for the changes made in this program, but I could not have done this without the support I received from my supervisors," said Meeks. "I watched this program being developed by a previous mentor and wanted to return the program to how it was established under their leadership."

The video from the award ceremony is available on the NSWC PCD Facebook page at www.facebook. com/nswcpcd



Lacie Meeks



Dr. Travis Hand



Anthony Bleichner



Jonathan Chapman



Jesse Waymire



Zhen Zhang



Dr. Gregory Murphy



Jason Scott



Holly Gardner



Jacob Cornman



Dr. Christopher Musto

Not Pictured:

Kirk VanZandt Jeffrey Eichler Dr. Joshua Kogot Dustin Bride Dr. Andrew Schicho Gavin Taylor

Letters of L U.S. Navy Photos by Eddie Green



Alfredo Granado

on behalf of Director, Undersea Warfare Division (N97) for his significant contributions to the N97 mission.

Grenado provided superior technical advice to N97 senior leadership during a rotational assignment to the Subsea and Seabed Warfare branch. Grenado's support, knowledge, and expertise was critical to development of key capabilities and program top level requirements.



Linda Wazlaveck

for outstanding service during **NATO's Baltic Operations 50**



Andrew Stubblefield

for outstanding service during **NATO's Baltic Operations 50**

never get tired of seeing you all get recognized by the Fleet for your outstanding work.

> - Capt. David Back, USN **Commanding Officer**

DIVISION SPOTLIGHT

CODE 01

Jessica Gutierrez

Administrative Technician as a FIAR Support Employee

Division 011

Financial Improvement & Audit Remediation

Code 01 Comptroller

What does your job do?

My job is to support ongoing FIAR. As part of my position, I track Delegation of Authority, and provide support on internal testing and external audits.

What does your Division do?

FIAR is the state of being prepared at all times to demonstrate proper manual and automated processes and documentation that are executed in accordance with policy and appropriate accounting standards.

FIAR improves the reliability and accuracy of data and decisionmaking information in operations, produces more effective and transparent business processes, and ensures correct allocation of funds and makes for better resources.

Why did you decide to work at NSWC PCD?

I decided to work at NSWC PCD for many reasons. My passion has always been in accounting. I love solving problems and figuring out how to improve a process. As part of the FIAR support I get to do just that. Audit and FIAR are always changing which is what makes this job ever-changing. As part of this job, I get to help make our command better stewards of the taxpayer dollars that have been entrusted to us. To me, that impact helps ensure that other departments can meet their mission and we can support the warfighter.

How long have you worked at NSWC PCD?

I began working For NSWC PCD in June of 2020.



What does your division do in support of NSWC PCD and the Navy? What is the impact?

It is said that FIAR is not a one-time event, sustainability will be the focus of the future. FIAR helps ensure that as government employees we are good stewards of the funds that are entrusted to us, and we are improving the reliability of financial data to ensure the correct allocation of funds.

FIAR provides local support by ensuring people who obligate funds on the behalf of the government have the authority to do so. In addition, we work with all divisions of the Warfare center to assist with yearly External Audit for the Navy. FIAR conducts internal testing in a variety of areas that help with process improvements. FIARs impacts the Command by identifying financial risks leading to recommendations and implementation of corrective actions. By working at the local level we can increase public trust and confidence in the Department of Defense's use of taxpayer dollars.

Award Winners

Navy Civilian Service Meritorious Medal

Wes Hughson

Warfare ENTER WARDS

Innovation Award

Alex Dence Clandestine Delivered Mine Project Team

The Naval Sea Systems Command Live Virtual Constructive Team

UPCOMING AWARDS



Due Award

- 9/1 Institute of Electrical and Electronics Engineers (IEEE) Professionalism/Technical Achievement/ Literary Awards
- 9/6 Alan T. Waterman Award
- 9/17 1. BEYA Science Spectrum Trailblazer
 - 2. BEYA Modern-Day Technology Leaders
- Society for Industrial and Applied Mathematics (Poly/DiPrima/Reid Prize)
 - 2. Society for Industrial and Applied Mathematics - Ralph E Kleinman Prize
- 12/1 DoD Packaging Excellence and Packaging Achievement Awards

Continuous DoN Agility Awards (Formerly SECNAV Innovation Awards)

Dates provided are due dates for completed package(s) to be received. Contact Cierra Burch at W_PNMA_NSWCPCD_PAO@navy.mil for nomination requirements, forms and questions.

Upcoming awards are regularly updated on: https://wiki.navsea.navy.mil/display/PCD103/Awards

*Non-government agency award submissions now require approved public release documentation.

TECH REFESH ... HAS BEGUN! U.S. Navy photos by Ron Newsome

August 13th kicked off our Tech Refresh! The first user, George Thrasher, transitioned through the Self-Tech Refresh project last Friday morning. On average the team is executing 12 tech refreshes a day.

Heather Deich, activity customer technical representative and NMCI Liaison Support from Code 1042, shares the importance of a Tech Refresh.

"It is important to perform a Tech Refresh to replace older and obsolete hardware, and to provide the Navy's best assests for our customers," states Deich. "With the change in environment and the need for newer technological capabilities, a full tech refresh with the high-end laptops, will ensure that our users are able to perform to the est of their capabilities."

Just a reminder to those wondering when they will be given a Tech Refresh, an email will be sent directly to you notifying you when to come in for your upgrade. Thank you to the Code 1042 team for you hard work and diligence to make this possible!



F.I.A.R.

Financial Improvement & Audit Remediation

The DoD Financial Statement Audit by David L. Norquist



Former United States Deputy Secretary of Defense Honorable David L. Norquist recently spoke at the annual American Society of Military Comptrollers Professional Development Institute (ASMC PDI). Norquist strengthened accountability to the taxpayer by implementing DOD's first department-wide financial statement audit.

The financial statement audit impacts ALL aspects of readiness such as count, location and condition of property, inventory and operating supplies. Norquist noted that the audit saves money by improving inventory management, identifying vulnerability in cybersecurity and providing better data for decision-makers.

Changing the management culture is one of the hardest and equally important changes the department has to make.

David L. Norquist

The department must focus on fixing the process not just getting the number right. The vision is bigger than a financial statement audit. It is to transform the department with the use of the ADVANA Tool to improve accountability and performance in DoD business operations. ADVANA houses data on payroll, supply, logistics and contracts. It is a universe of transactions from all systems and uses analytics and data visualization to improve data quality and timely information.

NOTABLE SAVINGS

worth of active material not tracked in inventory identified by the Navy Fleet Logistic Center in Jacksonville, Fl.

The equipment was used to fill 174 requisitions and decrease maintenance, while freeing approx. 200,000 square feet of space from eliminating surplus equipment.

in back orders filled from supply discrepancy reports by the Defense Logistics Agency.

saved at two different bases by labeling items correctly, reducing the likelihood of inadvertently reordering supplies

in savings were uncovered from

already on hand.

Dormant Accounts that could be reinvested into other programs.

Statement Audit Stats

FY	ROI (millions)
18	\$325
19	\$535
20	\$768

per year = cost

Notice of Findings & Recommendations (NFRs) are closed each year

The goal is to maintain momentum to get to a clean opinion and ultimately for the organization to run more like a commercial enterprise when it comes to financial and business data.



NSWC PCD PERSONNEL SECURITY (PERSEC) BULLETIN

July-August 2021

ADJUDICATIVE GUIDELINES

The Personnel Security Adjudicative process is a determination that an individual is an acceptable security risk for access to classified information.

The 13 Adjudicative Guidelines, A - M, of Security Executive Agent Directive 4 (SEAD 4) -**National Security** Adjudicative Guidelines, provide the concerns and conditions that are evaluated.

GUIDELINE D – SEXUAL BEHAVIOR

Concern: Sexual behavior that involves a criminal offense

Examples of Conditions to be Evaluated

Sexual behavior includes conduct occurring in person or via audio, visual, electronic, or written transmission:

- Sexual behavior of a criminal nature, whether or not the individual has been prosecuted
- Pattern of compulsive, self-destructive, or high-risk sexual behavior that the person is unable to stop or that may be symptomatic of a personality disorder
- Sexual behavior that causes an individual to be vulnerable to coercion, exploitation or duress
- Sexual behavior of a public nature and/or that which reflects lack of discretion or judgment

For more information, email nswcpc security@navy.mil



Defense Acquisition Workforce Improvement Act

Monthly DAWIA Achievements: individuals who have completed their DAWIA Certification requirements in the last reporting period.

Mike Monroe, DAWIA Program Manager 850-230-7913

Michael Brown Candra Cebula Ludger Denis Michael Hornberger **Nyal Jennings** Erica Martin Mark Menke Juan Ramirez Morales Renee Musto Miguel Rivera Nieves

Judith Parker Haley Perez Harryel Philippeaux **Lindsay Portas** Peter Romaine Juan Rosario Soto Courtney Swearingin Shin-Miin Tzuoo Adriana Vazquez-Melendez

Congrats to our employees for completing their DAWIA requirements this month.



SAFETY

Prepared by James Scroggs, NSWC PCD Safety Specialist

BACK PAIN: CAUSES AND PREVENTION

Back pain is among mankind's earliest and most enduring afflictions. In fact, cave drawings have depicted early sufferers. Today, back pain has become a major workplace issue.

The American **Physical** Therapy Association

Back pain is the most common cause of loss of activity among adults under 45.





of workers nationwide suffer back pain during their careers.

Everyone is vulnerable to back injury, but certain occupations present added risk:



Truck Drivers

Sit for long periods while being jostled by vibration



Material handlers

Do a lot of heavy lifting



Nurses & healthcare aides,

Spend a lot of time bending over beds and lifting and moving patients



Office workers

Do a lot of sitting, not always in the best of postures

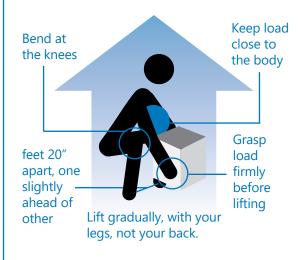
Back injury can result from numerous everyday activities: housework, gardening, athletics, bad sleeping posture, and even the "couch-potato." Expectant mothers find their backs stressed in new ways, too, as do parents lifting babies and toddlers.

of back pain cases usually heal completely

If the cause is a strain or sprain of back muscles, ligaments, or soft tissue, it heals. However, back problems often recur if effective prevention strategies aren't used.

Most bad backs respond well to rest and conservative treatment. If workers take proper precautions, they can prevent most back injuries, and keep already injured backs from acting up again.

LIFTING & FALLING



Reverse the steps to put the load down.



Falls are another cause of serious back injuries. It's important to be cautious when using stairs and ladders, be prompt in cleaning up spills, and be meticulous to keep tripping hazards off walkways.

GENERAL CONDITIONING



Maintaining proper posture, without slouching, rounding the shoulders, or accentuating the natural curves of the spine. (Proper sleeping posture is also important, using a mattress that is firm but not too hard, on your side or back, not your stomach.)



Follow a healthy diet to avoid weight gain, which puts added stress on your lower back, especially from "pot belly"



Exercise regularly, especially with aerobic activity like walking, biking, or swimming

