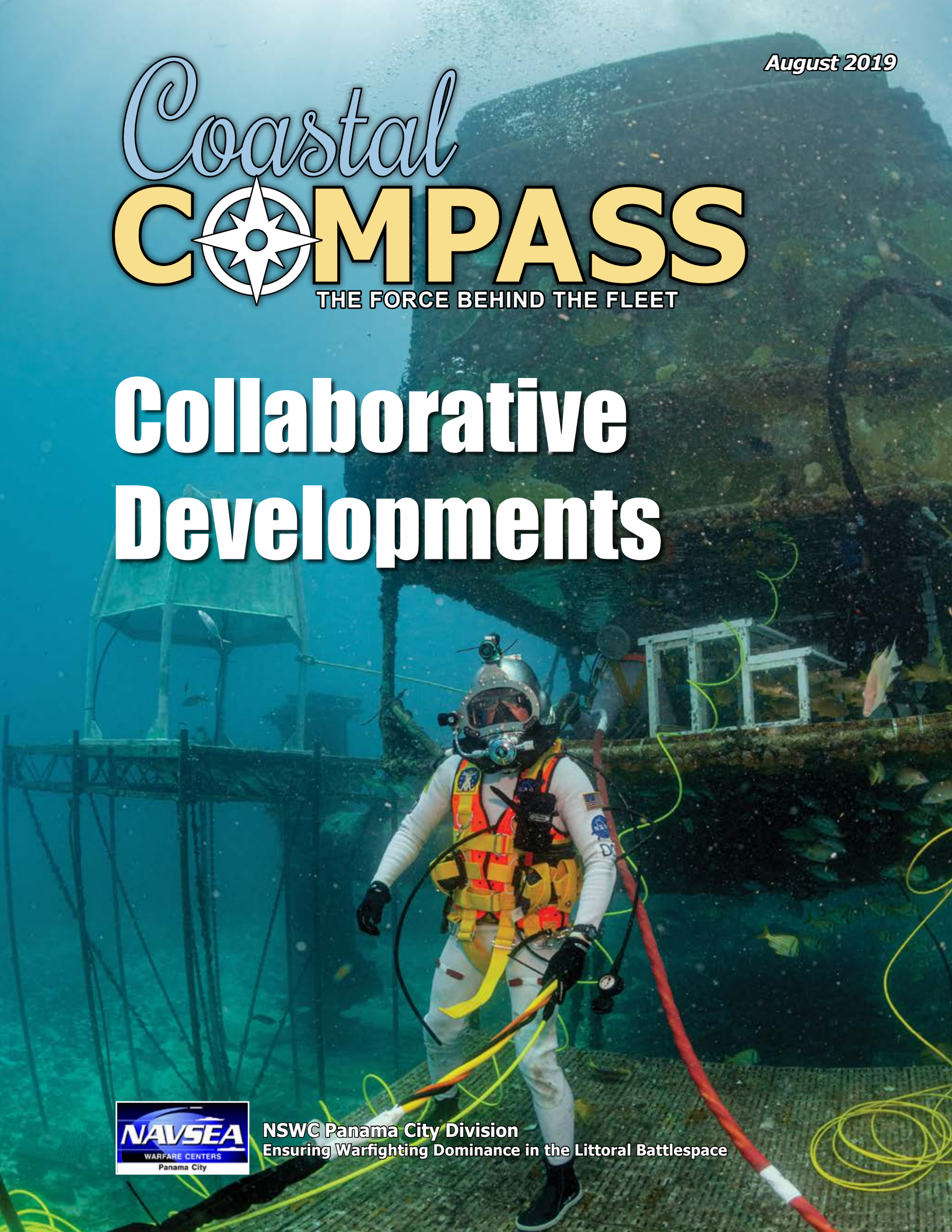
August 2019

Coastal COMPASS

THE FORCE BEHIND THE FLEET

Collaborative Developments



NAVSEA WARFARE CENTERS Panama City

NSWC Panama City Division
Ensuring Warfighting Dominance in the Littoral Battlespace

Coastal COMPASS
THE FORCE BEHIND THE FLEET
August 2019 | Vol. 7 Issue 8

Capt. Aaron S. Peters, USN
Commanding Officer

Edwin A. Stewart (SES)
Technical Director

Editorial Staff

About the Publication

The *Coastal Compass* is published monthly by the Naval Surface Warfare Center Panama City Division (NSWC PCD) and is an authorized medium for news of general interest about employees of NSWC PCD and their work.

The Coastal Compass' content is provided and prepared by the NSWC PCD Office of Public and Congressional Affairs (Code 1031).

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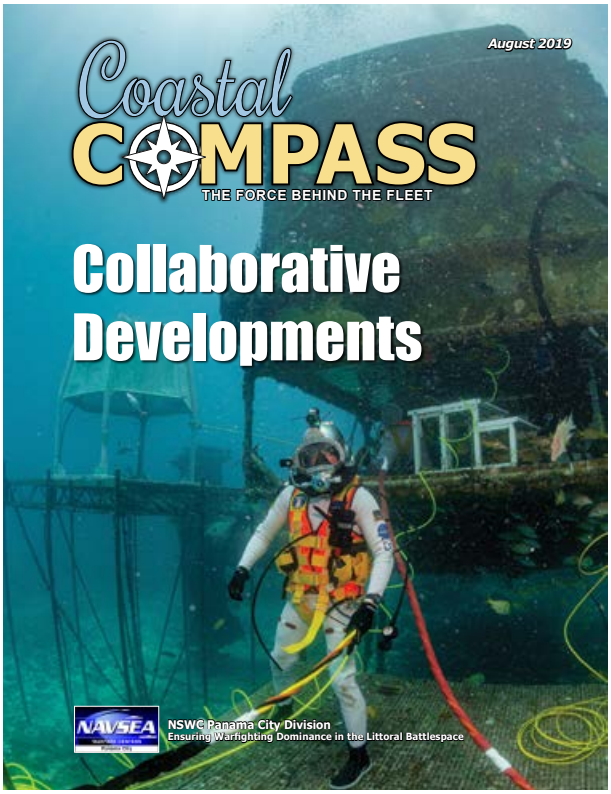
On the Cover



This month's edition features Naval Surface Warfare Center Panama City Division's recent collaborative developments.

Courtesy Photo

Featured

Scientists, engineers and key partners of the Naval Surface Warfare Center Panama City Division (NSWC PCD) are collaborating by taking an NSWC PCD technology, originally designed for diving, from seabed to space. Read page 6 to learn more.

Two Naval Surface Warfare Center Technical Directors temporarily switched places to foster collaboration as a new approach towards innovation. Read page 7 to learn more.

In This Issue

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View from the BRIDGE

Capt. Aaron S. Peters
Commanding Officer
NSWC PCD

> I hope your own personal values align with our NSWC PCD core values of integrity, courage, commitment and respect.

– Capt. Aaron S. Peters
Commanding Officer

NSWC PCD teammates,
I hope you all have had an enjoyable summer and took time to enjoy the summer outdoor activities that make Panama City a great place to live.

The August 2019 edition of the *Coastal Compass* will highlight our collaboration with NASA, our STEM programs in local schools, and highlights of our recent award winners.

Last month, we had the privilege to host Dr. Brett Seidle (SES), Naval Surface Warfare Center Crane Division technical director for a week as the Panama City TD. Those of you that had the opportunity to interact with him can agree with me that he is an inspirational leader. If you did not have a chance to meet him, I suggest you visit the NSWC PCD YouTube page and watch his Lessons in Leadership session.

One of the points he made was leading a value-laden life. The basic idea is that you define a set of values that define how you operate on the daily basis and especially during times when you find yourself at a crossroads.

I hope your own personal values align with our NSWC PCD core values of integrity, courage, commitment and respect. Commitment to these values have and will continue to transform our organization.

Based on the initial review of the DEOCS survey, our organization is transforming. There is a positive increase in all the areas over the 2017 DEOCS. Although the trends were favorable, we do have some work to improve organizational processes and communication.

In the next couple of months, we will provide a formal out-brief of the results – but I want to encourage you to continue to be the change you want to see. Please don't wait on your leadership to ask your opinion, do what you can today to make this organization even better than it already is.

Panama City personnel selected to receive Warfare Center awards

By Katherine Mapp
NSWC PCD Public Affairs

PANAMA CITY, Fla. – Rear Adm. Eric H. Ver Hage, Commander, Naval Sea Systems Command (NAVSEA) Warfare Centers and Donald McCormack, Executive Director, NAVSEA Warfare Centers recently announced the recipients of the 2019 Warfare Center Awards. Of the 592 members of the Warfare Center team selected, 61 of those personnel are from Naval Surface Warfare Center Panama City Division (NSWC PCD).

Established in 2005, the Warfare Centers Awards recognize achievements individuals and groups who have made substantial contributions to the Warfare Centers and NAVSEA through talent management, collaboration, innovation, knowledge sharing, information security, and technical support services.

These awards celebrate important achievements and directly contribute to NAVSEA's Expand the Advantage 2.0 Campaign.

The Unmanned Influence Sweep System Test and Evaluation Team wins Collaboration Award

For significant collaboration between NSWC Carderock and NSWC PCD required to successfully complete the complex characterization testing of the Unmanned Influence Sweep System at the South Florida Ocean Measurement Facility.

Anthony Blair
Mallory Bond
Anthony Bush
Joseph Boza
Michael Farrar
Ricardo Echeverria
Michael Pintacuda
Alex Fournier
Lisa Shortt
Michael Langford
Donna Stanford
Michael Snider
Christopher Tilley
Willis Walker
Matthew Young
Randy Williams

Panama City Division Hiring Team wins the Alan J. Dean Award for Talent Management

For using high velocity learning to define and refine the NSWC PCD hiring process, to improve the quality of new hires, increase diversity and retention, and reduce the hiring timelines. Your efforts have strengthened NSWC PCD's workforce.

Lanshava Booker
Dawn Hilty
Ivan Lugo
Kristen Campbell
Kimberly Lawler
Keith Senn
Pamela Fuhrman

The MH-60S Unmanned Undersea Vehicle Launch and Recovery Team wins the Collaboration Award

For successful collaboration between Naval Undersea Warfare Center (NUWC) Keyport and NSWC PCD in the launch and recovery of a representative lightweight Unmanned Undersea Vehicle using the AN/ALQ-223A Carriage, Stream, Tow and Recovery System on an MH-60S aircraft.

Timothy Currie
Derek Decker
Jason Goad
Tinsley Ihaksi
Daniel Jordy
Zach Luther
Roland Palmer
Torger Reppen
Fredric Strynar

The Research Commons Team wins the Knowledge Sharing Award

For developing a dynamic web portal for accessing digital library subscriptions, information and research tools, allowing the Warfare Centers to avoid duplication of effort and resources, while increasing opportunities for research collaboration. Your efforts doubled the number of resources and tools available to users, while saving more than $500K at the pilot sites this year.

Anthony Waterman

Kinsey Taylor from Panama City Division wins the Alan J. Dean Award for Talent Management

For substantial contributions in educational outreach and successfully fostering interest in science, technology, engineering, and mathematics (STEM) as the Program Manager of the Navy Science Squad and the creator of the local "STEM in a Box" program for middle and high school students.

The Sea Fighter Test Team wins the Collaboration Award

For successful collaboration of the NSWC PCD Sea Fighter Test Team with Dahlgren Division, various Air Force bases and commands, stakeholders, academia, and the private sector to determine the suitability of Sea Fighter systems. Five systems were designated as operationally relevant for the fleet within the limited testing timeline.

Jason Goad
Jessica Haig
Andrew Harrington
Fredric Strynar
Nicole Waters

The Undersea Encapsulation Technical Capability Demonstration Team wins the Collaboration Award

For substantial contributions achieved through significant collaboration between NSWC PCD, NUWC Keyport, and NUWC Newport Divisions, to rapidly develop and successfully demonstrate undersea encapsulated payload delivery technology in response to a Joint Emergent Operational Need Statement.

Jason Boxerman
John Brady
Lee Cofer
Joseph Jacquemin
David Jennings
Amy Laguna
Erik Molina
Bryan Reynoso
Joshua Roddenberry
William Porter

The People's Integrated Essential Resource Team wins the Knowledge Sharing Award

For successfully developing and launching the People's Integrated Essential Resource website, providing a repository of links to pertinent information for all Naval Sea Systems Command employees on iNFUSION.

Vatana An
David Galindo
Holly Gardner
Alesia Hance
Katherine Mapp
Allison Roberts
Michael Rowe
Edwin Stewart
Kimberly Ten Broeck
DeQuan Waheed
Haley Walker
Keely Westbrook

Navy diving equipment tested by astronauts for space exploration missions

By Katherine Mapp
NSWC PCD Public Affairs

KEY LARGO, Fla. – Scientists, engineers, and key partners of the Naval Surface Warfare Center Panama City Division (NSWC PCD) are collaborating by taking an NSWC PCD technology, originally designed for diving, from seabed to space.

The Diver Augmented Vision Device (DAVD) team from NSWC PCD and partners recently joined forces with the National Aeronautics and Space Administration (NASA) Johnson Space Center during NEEMO-23, the 23rd voyage of the NASA Extreme Environment Mission Operations held at the Aquarius Reef Base underwater habitat in Key Largo.

The Aquarius Reef Base, operated by Florida International University, is the only undersea laboratory in the world located 5.4 miles off Key Largo in the Florida Keys National Marine Sanctuary, 62 feet below the surface. The Aquarius and its surroundings provide an ideal training and mission analog for space exploration by providing buoyancy similar to walking on the Moon or Mars.

The DAVD is a high-resolution, see-through heads-up display (HUD) embedded directly inside of a Kirby Morgan-37 dive helmet. This unique system provides divers with high-resolution visual displays of everything from sector sonar imagery (real-time topside view of the diver's location and dive site), text messages, diagrams, photographs, and even augmented reality videos.

NSWC PCD designed, developed, and tested the original DAVD prototype systems. The newest iteration of the system participating in this NASA mission is the DAVD Generation 1.0, developed under a Cooperative Research and Development Agreement with industry partner Coda Octopus Group, Inc.

During NEEMO-23, NASA astronauts and technical personnel used the DAVD Generation 1.0 system to conduct analog training missions and determine the potential for using a similar system in their future Extra Vehicular Activity (EVA) Spacesuits during space exploration missions.

Allie Williams, DAVD team lead engineer, said she is thrilled to see the leaps and bounds the project is making.

"It's exciting to see dual-purpose use for a system originally designed for navy divers, and it is an honor to work with NASA. This capability is game changing for divers who usually work in zero visibility conditions - it essentially gives them sight again through real time data and sonar," said Williams. "Even in good visibility conditions, the DAVD system allows for hands-free information and less mental strain of trying to remember topside instructions. The same benefits can be gained by astronauts as well – including better situational awareness, safety, and allowing them to be more effective in their missions."

Dennis Gallagher, DAVD team project manager, explained an additional goal of integrating the DAVD system into the NEEMO-23 mission is to "develop a collaborative Navy-NASA program that offers next-generation see-through HUD capabilities for the new NASA EVA Spacesuit, and the Navy 1-Atmosphere Dive Suit."

"You don't achieve 'warfighting dominance' by taking 10 years to finally develop a rugged rotary dial phone," said Gallagher. "You achieve it by becoming the collaborator of choice with academia, federal labs, and industry using innovative and creative partnerships. This allows us to develop emerging technologies into new capabilities and solutions for the Warfighter at a significantly accelerated pace."

According to Gallagher, outcomes and lessons learned from the NEEMO-23 missions will provide insight needed to move the system one step closer to space.

Technical Directors switch places to foster collaboration

By Susan H. Lawson
NSWC PCD Public Affairs

PANAMA CITY, Fla. – Naval Surface Warfare Center (NSWC) Crane Division Technical Director (TD) Dr. Brett Seidle (SES) shares experiences during a lessons in leadership presentation at NSWC Panama City Division (PCD) July 25. Dr. Seidle switched places recently with NSWC PCD TD Ed Stewart (SES) in a new approach to leadership and innovation with collaboration.
U.S. Navy photo by Haley Walker

PANAMA CITY, Fla. – Two Naval Surface Warfare Center (NSWC) Technical Directors temporarily switched places to foster collaboration as a new approach towards innovation.

Ed Stewart (SES), NSWC Panama City Division technical director, and Dr. Brett Seidle (SES), NSWC Crane Division technical director, have swapped Warfare Centers to share their perspectives with different teams and provide a collaborative One Team Warfare Center approach towards leadership.

The two directors agreed to change places for one week. They are gathering information to collaborate on potential advances in strategic initiatives to expand our Navy's capabilities and to gain a critical advantage over our adversaries.

This concept of trading places is new to the Warfare Centers, but Stewart believes it will bring about the One Team Warfare Center he envisions.

"I think we can do amazing things together and I am personally looking forward to working with the Crane team," said Stewart.

After the swap, the technical directors met to discuss their leadership experiences and cultivate ideas to strengthen Warfare Center collaboration.

"Opportunities like this give us a chance to identify best practices and strengthen teaming in the Warfare Center community," said Dr. Seidle. "I'm excited about getting to know the Panama City team."

Panama City logistician selected for NAVSEA Leadership Program

By Katherine Mapp
NSWC PCD Public Affairs

PANAMA CITY, Fla. – Heidi Pemberton, logistics management specialist at Naval Surface Warfare Center Panama City Division (NSWC PCD) was recently selected to participate in Naval Sea Systems Command's (NAVSEA) upcoming cadre of Commander's Executive Fellows Program (CEFP).

CEFP is a full-time program in which participants leave their current job and are dedicated to the program for a two-year duration. The CEFP offers NAVSEA's top enterprise performers (GS-12 to GS-15) a professional development and leadership program to expand their career path, potentially to the Senior Executive Service level.

Participation in the program is an unparalleled opportunity to tackle high visibility issues, gain demonstrable experience through complex assignments, build multiple professional networks, and to increase their overall strategic awareness of NAVSEA and Department of Defense (DoD) operations. Upon completion, CEFP fellows are well positioned for their next challenging duties within NAVSEA and the DoD.

"I was intrigued by the CEFP program as a new career opportunity, because it focuses on a tailored individual development plan that combines rotations, training, and a capstone project to build leadership and technical competencies," said Pemberton. "I was surprised and honored to learn of my selection as there were many talented candidates across NAVSEA."

"Heidi's dedication to succeed, desire to improve, and commitment to the "One Team" Warfare Center approach make her an ideal candidate to represent NSWC PCD and the greater NAVSEA community in the CEFP"

Edwin A. Stewart (SES)
NSWC PCD
Technical Director

Ed Stewart, NSWC PCD technical director, enthusiastically endorsed Pemberton and said he looks forward to placing her as a fellow in the CEFP.

"Heidi's dedication to succeed, desire to improve, and commitment to the "One Team" Warfare Center approach make her an ideal candidate to represent NSWC PCD and the greater NAVSEA community in the CEFP," said Stewart.

Pemberton is anticipating her new duties.

"I look forward to engaging in challenging and varied integrated logistics support work at NAVSEA headquarters with possible rotations at offices such as the Chief of Naval Operations and Deputy Assistant Secretary of the Navy," said Pemberton.

Pemberton begins her CEFP journey in September 2019.

Panama City scientist awarded for professional achievement

By Katherine Mapp
NSWC PCD Public Affairs

U.S. Navy Photo by Katherine Mapp

PANAMA CITY, Fla. – Nicole McWilliams Granville, Naval Surface Warfare Center Panama City Division (NSWC PCD) scientist, was recently selected to receive the National Women of Color Technology Award in the Professional Achievement category.

"I was very humbled that I was considered for such an award," said Granville. "I credit any success I've had in my career to a God-given drive, great mentors, and an incredible team that certainly makes my job easier."

This award recognizes a mid-career professional (approximately 10 to 22 years in the workforce) with significant accomplishments in an engineering or technology industry, or government agency. The nominee's academic qualifications are of less relevance than the impact of her achievements as a leader and role model.

Capt. Aaron Peters, NSWC PCD Commanding Officer, said he commends Granville for "both her efforts in meeting the professional challenges of successfully managing the complex SeaFox project, and for her exemplary leadership skills as a mentor and a role model."

"Nicole always willingly and enthusiastically puts in extra time towards whatever is needed to satisfy local or program office needs and tasking. This level of dedication is inspirational to her team who willingly matches her high standards," said Peters. "Nicole sets herself apart as a leader in her ability to maintain a friendly, yet professional, demeanor that facilitates hard work and enjoyment, while conducting daily activities."

Peters added that Granville's uplifting attitude, along with her exceptional communication skills, has been key to integrating her technical teams into tightly knit units.

Granville is enthusiastic to receive this award.

Navy and local academia host STEM Summer Camp

By Dan Broadstreet
NSWC PCD Public Affairs

PANAMA CITY, Fla. — Navy physicists and engineers collaborated with local-area teachers to host the annual Science, Technology, Engineering and Mathematics (STEM) Summer Camp for rising 9th to 12th grade high school students last week, held from June 24 to June 28.

Panama City STEM Institute Director Ginger Littleton said it was the second camp to follow the previous week's camp for rising 6th to 9th ninth grade middle school students.

"This camp is possible, because of a partnership between the U.S. Navy and our local area academic schools, colleges and universities," Littleton said. "Because America has not been able to produce enough STEM graduates, we've had to hire foreign nationals to fill our country's need for STEM career-professionals."

According to Littleton, this year's STEM camp theme was studying Category 5 hurricanes, their destructive forces and much of the engineering-based cleanup required from these storms' aftermath.

"Since most of our students are still living with the cleanup and rebuilding caused by Hurricane Michael, a Category 5 hurricane that made landfall last October, we structured our curriculum based on that because it's something most students will never forget," said Littleton.

Dan Flisek, physicist for the Naval Surface Warfare Center Panama City Division (NSWC PCD) and a Master Teacher at this year's camp said the Category 5 Hurricane theme allows teaching several STEM-related sciences.

"We have several areas of learning that we can relate to these storms and much of the post-storm cleanup that is required," said Flisek. "For instance, our classes this year include: meteorology, electrical engineering, civil engineering, chemistry, and physics."

PANAMA CITY, Fla. — Nicole Waters, Fabrication and Prototype Shops Project Manager at the Naval Surface Warfare Center Panama City Division, assists students in the Civil Engineering course learn how to build model truss bridges.
U.S. Navy Photo by Eddie Green

PANAMA CITY, Fla. — Dan Flisek, physicist at the Naval Surface Warfare Center Panama City Division teaches Science, Technology, Engineering and Mathematics (STEM) Summer Camp students about how chemistry relates to local water samples affected by last year's Category 5 Hurricane Michael. Flisek revealed to students, with a water-quality report, pollutants found in local water reservoirs from the storm's aftermath.
U.S. Navy Photo by Eddie Green

Miles Taylor, a tenth-grade participant said camp captured his interests due to this year's theme.

"I think it's been interesting, because it helps us to understand why we witnessed what happened during the storm," said Taylor. "And I really like all the classes they have and how they incorporate the different sciences that teach us why certain storm activities occurred."

Flisek said it wasn't hard to relate the various class subjects to experiences the students could identify with, especially because of them being storm related.

"For example, I brought a water-quality report that comes from the City of Lynn Haven that I got a few days ago," said Flisek. "So I was able to show the students how the storm blew in a lot of debris and pollutants into our water reservoirs. It was easy then to relate to them how there are people actually working in these chemistry-related careers."

According to Flisek these STEM Summer Camps are inspiring students to become interested in possibly working in these careers.

"The proof was present, not only in those registered to participate, but also because of how many STEM Summer Camp veterans were returning to volunteer as helpers," said Flisek.

Flisek's assisting student helper, Summer Bernstein, has not only been a "STEM camper" twice, but also is dual-enrolled as a high school senior attending Gulf Coast State College. In addition to this, she is currently working as one of NSWC PCD's High School Interns.

"I've been participating in the STEM Summer Camps for two years and I've really enjoyed it," said Bernstein. "When Paige George, NSWC PCD's education liaison, informed those of us working as interns we had the opportunity to help out with the STEM camp this year, I was definitely interested. My involvement with STEM activities has really inspired me to find out what a high school internship at the Navy laboratory would be like," said Bernstein.

When asked how well the STEM Summer Camp is doing in actually teaching these engineering-related principles, Bernstein gave, "a strong affirmative."

By NUWC Newport Technical Library

2019 began with a rush for those of us at NUWC's Newport library when we welcomed three additional commands to the Research Commons digital portal. As new users, they are learning how to navigate the site to access research, professional development and information resources to further their own work. We are also hoping that users at each command share input and recommendations for research guides, professional development tools, unclassified material and subscriptions.

For those of you just getting started, here's an overview from someone who very recently was also just getting started herself. I joined the NUWC Newport library in October from a small, rural public library and was as unfamiliar with the databases, repositories, procedures and acronyms as you might expect. Three weeks into the job, I was asked to draft some information about the Research Commons that would be helpful to the people at the new commands coming on board. This turned out to be surprisingly beneficial for me; what was initially a shallow familiarization with the website evolved into a much deeper understanding and appreciation of what it is and what it can do for others.

Research Guides

Let's say you've been given a project at work and you don't know where to get started. Maybe you're new or maybe the subject matter is new. In any case, the second place you can turn for help is the Research Guides (the first is Google, obviously).

On the Research Commons page, hover over the Research Support link and you will see links to guides. Click on the Research Guide that's related to what you're researching and from there, you can find books, articles, databases, websites and professional associations. There is even a trending article feed.

Sometimes getting started is the hardest part of any project, and using these guides gives you a hand in defining your topic and narrowing it down into a specific question.

But what if your problem isn't the research itself, but with a co-worker or a supervisor? Or the fact that you're so nervous before a professional talk that you can't fully explain your research so you ultimately fail to connect with your audience? Or maybe you find yourself in a leadership position for the first time ever. That's where the Soft Skill & Professional Development Guides come in. These have the same types of resources that Research Guides offer, plus videos and podcasts.

Both types of guides are evolving, so if you are looking for a specific area of interest, please let us know and we can assemble a custom guide just for you.

Subscriptions

When I worked in public libraries, the journals that patrons wanted were People and Us Weekly, and if someone was a serious reader, Consumer Reports. But with the Research Commons, the 20,000-plus journals we subscribe to are focused on scientific research. And because some commands are undersea Warfare Centers, and others are surface Warfare Centers, the research can take a very different approach. We solved this by selecting journals to align with the research needs and technical warrant areas of each of the participating Warfare Centers.

Some of the more popular journals and databases include:

- Journal of the Acoustical Society of America
- Journal of Applied Physics
- Journal of Ship Research
- Journal of the American Chemical Society
- IEEE Digital Library
- Elsevier Science Direct
- ProQuest Materials Science and Engineering Database
- Jane's Defense
- SPIE Digital Library
- ASME Digital Collection

Research Commons users with OpenAthens accounts can access these journals, databases and much, much more from anywhere using a single username and password. It also provides access to TDNet (the search tool used to explore all of the subscriptions) to look for material and even request it if we don't have access to it. TDNet can also help you find conference papers and ebooks, and lets you request material that might fall outside of our subscriptions.

On Demand Research Services (Interlibrary Loan & Document Delivery)

Unfortunately, it isn't possible to accumulate everything ever needed by all the members of the Research Commons. That's when our on-demand research services come into play. Think of it as a supplement to the Research Commons subscriptions, enabling library users to get all of the best available science and research in a timely manner.

Here's how it works (if you have an OpenAthens account): Search for an article, and you might see a link to access it, but if you don't, you will see one that tells you to "request from library". Click on that and it initiates a request to our library staff who will obtain it for you from a lending library, or a document delivery service.

Another way to request documents is with a service called ReprintsDesk, which is actually a whole suite of tools to help

users access and manage their research. Request access to it, and once approved, you'll be able to search millions of records from leading online databases. You can request what you need directly from your search results, and we receive and fulfill your request all via email. (This tool is available, as long as you have a Research Commons account).

If you don't have access to either of the tools above – not a problem! Simply get in touch using the contact form on our website, email us directly, or visit our chat channel and provide us with the citation information for the resource you need and we'll do the rest.

Finally, if you need in-depth help with a research project, or assistance with using the tools on the Research Commons website, reach out to the staff for a consultation. This one-on-one assistance can save you valuable time in many ways: helping you with a specific research question, offering tips about how to use a database, introducing you to the tools in the Research Commons, or setting up email notifications so that you're notified when relevant material is published.

ACCESS:

If you already have an AIMTC account and Research Commons access, you can access the site at this link: https://aimtc2.nuwc.navy.mil/stlibrary

To request access, follow the instructions below:

New AIMTC Users go to: https://aimtc.nuwc.navy.mil/aimtcmanagement/request.asp.

Fill in the information fields, then follow steps 1-3 below.

Existing AIMTC Users go to: https://aimtc.nuwc.navy.mil.

Select "Click Here to Enter AIMTC".

Click on the "My Profile" link in the top menu of the AIMTC main page.

Confirm and correct the information in all of the fields, then follow steps 1-3 below.

1. **In the list of resources, find "Research Commons," expand the selection, and then check the box next to "Research Commons."**
2. **At the bottom of the page, check the box next to "I certify that I have read the User Responsibilities and understand."**
3. **Click the "Send" button on the bottom of the page. Within 24-48 hours you will receive your login information along with a separate Research Commons Welcome email which will include more information about how to access subscriptions.**

PROTOCOL

Creating world-class events one VIP visit at a time

By Susan H. Lawson
NSWC PCD Public Affairs

PANAMA CITY, Fla. – Protocol has proven to be a strategic asset that sets us apart from the competition as the Naval Surface Warfare Center Panama City Division (NSWC PCD) strives to become "The Undisputed Technical Expert throughout the Littoral Battlespace."

Protocol is the art of facilitating events for people from different backgrounds to finding common purpose, engaging strategic and sensitive issues, and creating long-term relationships.

So how can the protocol office help you? By orchestrating details of visits and ceremonies from parking signs to ordering lunches, personalized seating cards for conferences, creating agendas, and much more.

Paying attention to these event details will afford event and meeting participants time to focus on the objectives of the meeting and create a memorable experience.

The next time you have a visitor coming to the base, make sure their information is entered into the Visitor's Log located at:

https://navsea.navy.deps.mil/wc/surpnma/PAO/Lists/NSWC_PCD_Visitors_Log/2019%20Visitor%20Log.aspx

If you would like to request additional support, such as parking signs, or refreshments, please submit a request via the protocol page at:

https://navsea.navy.deps.mil/wc/surpnma/PAO/Protocol/SitePages/Home.aspx

If you have questions about protocol services, contact the NSWC PCD Public Affairs Office's Protocol Officer at (850) 230-7400.

PANAMA CITY, Fla. — Capt. Aaron Peters, Naval Surface Warfare Center Panama City (NSWC PCD) Commanding Officer, shakes hands with Secretary of the Navy, Richard V. Spencer, May 10, during a tour of NSWC PCD. U.S. Navy photo by Anthony Powers

HIGH-GRADE & SUPERVISORY PROMOTIONS

DeAnna Pedersen

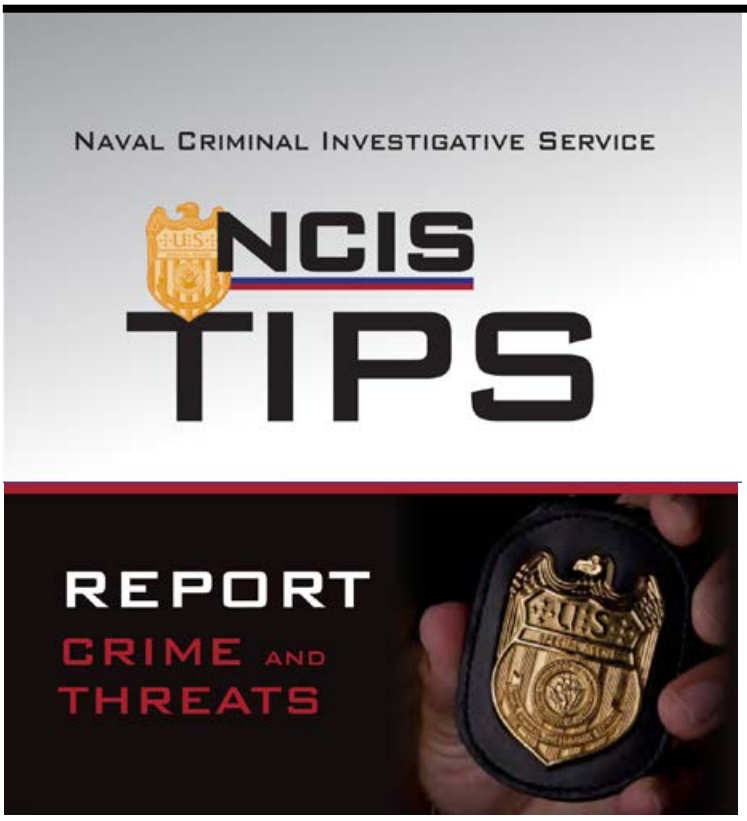
Procurement Branch Head (Code 1071)

As Procurement Branch Head, Pedersen will be responsible for critical functions of the procurement process. This will include making sure the Command meets its end-of-year financial obligations. Preparing the Command for upcoming property audits and streamlining the ordering process to make NSWC PCD a leader among the Warfare Centers in the procurement process.

Joshua Peters

Supply/General Equipment Branch Head (Code 1072/1073)

As Supply/General Equipment Branch Head, Peters will be responsible for the management of all Operating Materials and Supplies and General Equipment for the Naval Surface Warfare Center, Panama City Division.



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1. Download NCIS Tips from your mobile provider's marketplace.
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3. Select Type of Crime.
4. Complete the form with as much information as possible.
5. Choose to attach a photo or video.
6. Select Submit.
7. Enable push notifications in phone settings to receive alerts.

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ANDROID APP ON Google play

For more information about NCIS, visit our website at:

www.ncis.navy.mil

PRESIDENT'S MANAGEMENT AGENDA

Navy engineer selected for Cybersecurity Reskilling Program

By Dan Broadstreet
NSWC PCD Public Affairs

PANAMA CITY, Fla. — Joshua Davis, scientist at Naval Surface Warfare Center Panama City Division (NSWC PCD), was recently selected to attend the Federal Cybersecurity Reskilling Academy, an effort to develop the federal workforce of the 21st century as outlined in the President's Management Agenda.

The nation has a critical shortage of skilled personnel in the cybersecurity field, especially in the government. The goal of this program is to address that gap by providing training to existing government personnel.

The inaugural class was made up of current Federal employees who do not work in the IT field and was designed to help them build foundational skills in the field of Cyber Defense Analysis. The second cohort was open to all Federal employees, including those working in IT.

With only 20 seats available in the second cohort, Davis was grateful for having been selected.

"I feel very privileged to have been chosen," said Davis.

Lori Zipes, Chief Engineer for NSWC PCD's Science and Technology Department, said cybersecurity is considered a critical discipline to the Naval Sea Systems Command (NAVSEA).

"Cybersecurity is one of the three pillars in the NAVSEA Campaign Plan to Expand the Advantage and it appears in the National Defense Strategy where cyberspace is mentioned as one of the warfighting domains," said Zipes. "There is no doubt we need all the skills we can bring to bear, to create the 'unfair fight' that our leaders have asked of us."

According to the Chief Information Office website (cio.gov/reskilling), "Participants receive career mentorship and soft skills guidance to help them prepare for redeploying into the cybersecurity workforce."

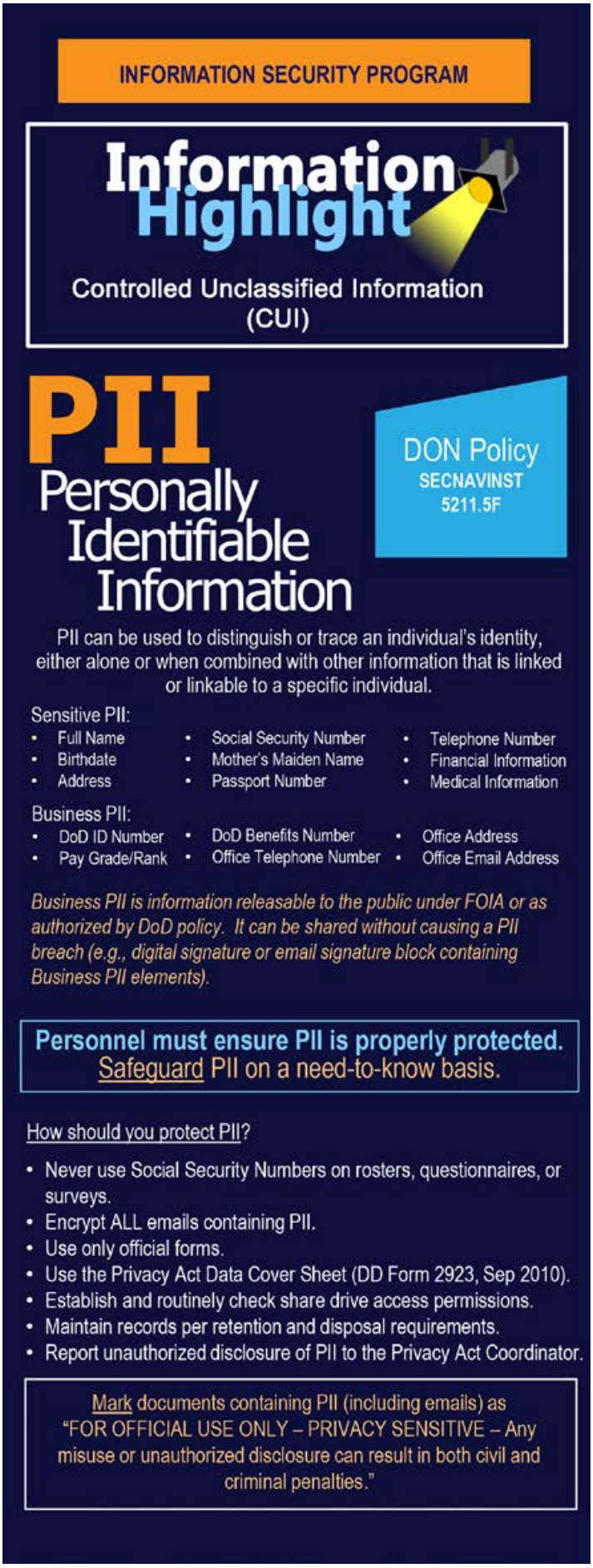
"The Cybersecurity Reskilling program requires class participants to attend eight weeks of full-time hands-on training working with simulated networks," said Davis. "Cybersecurity professionals are currently in high demand in the United States, and among all the high-tech organizations globally."

Zipes said the curriculum for this program's second cohort was sure to sharpen Davis' skill set.

"His cohort will receive training in many important aspects of cybersecurity, to include systems like Linux, and topics such as Intrusion Detection, and Incident Handling. The program also includes many practical exercises such as Capture the Flag and King of the Hill events," said Zipes.

Zipes commended Davis for having taken the initiative for applying to the Federal Cybersecurity Reskilling Academy.

"I'm extremely proud that he was selected and look forward to the benefits this will bring both for Josh and for NSWC PCD," said Zipes.



USNS Spearhead supports Fleet Experimentation

By Mass Communication Specialist 2nd Class Anderson Branch
U.S. Naval Forces Southern Command & U.S. Fourth Fleet

ATLANTIC OCEAN – A MK 4 launcher launches a Scan Eagle unmanned aerial vehicle from the flight deck of the expeditionary fast transport vessel USNS Spearhead (T-EPF 1). Scan Eagle unmanned aerial system provides improved detection and monitoring to support counter-narcotics missions in the Caribbean and Eastern Pacific.
U.S. Navy photo by Mass Communication Specialist 2nd Class Anderson W. Branch

KEY WEST, Fla. - The Military Sealift Command's expeditionary fast transport vessel USNS Spearhead (T-EPF 1) recently completed a two-day underway.

Spearhead sailed in the Atlantic Ocean off the coast of Key West, Fla., to conduct fleet experiments with multiple unmanned aerial and undersea systems, to include the V-BAT vertical take-off and landing unmanned aerial vehicle (UAV), Scan Eagle UAV and Knifefish unmanned underwater vehicle (UUV). Spearhead also tested the assured position, navigation and timing (PNT) system.

Dr. Christopher Heagney, U.S. Naval Forces Southern Command/U.S. 4th Fleet science advisor coordinated the fleet experimentation for the underway period.

"The purpose for these underway [periods] is to get new capabilities that are under development by warfare centers, program offices, original equipment manufacturers and academia out in the fleet environment so we can do at-sea testing," said Heagney.

Heagney continued in saying that testing this equipment at sea is necessary due to the difference in variables between a lab environment and a maritime environment.

"You'd be surprised how difficult things are when they're in a maritime environment as opposed to testing on land. That's why it's so important for us to be out here."

Heagney believes that the experiments tested were very successful. "We had a fairly defined list of tasks that needed to be accomplished and we hit the mark on everyone."

Some of the experiments conducted included testing the Knifefish UUV enables mine countermeasures missions (MCM) from an EPF as a vessel of opportunity (VOO), operating the V-BAT and Scan Eagle to provide improved detection and monitoring to support counter-narcotics missions in the Caribbean and Eastern Pacific and testing PNT for navigation in GPS denied/degraded environments.

Heagney believes experiments like this are necessary for the progress of naval innovation. "In order for the fleet to focus on innovation as a priority, we have to be able to take time to experiment at sea. Having a U.S. Navy ship take a week out of operations to test new capabilities makes the final product of our experiments much better and more efficient."

Another coordination effort completed by Heagney was embarking more than 30 scientists onboard Spearhead to observe the fleet experimentation.

Holly Gardner, Program Executive Office (PEO) Unmanned & Small Combatants (USC) Science & Technology (S&T) Mine Warfare (MIW) Warfare Center Lead, Naval Surface Warfare Center Panama City Division (NSWC-PCD), was one of the embarked scientists.

"My experience on this underway has been incredibly valuable," said Gardner. "Not only in everything that we've witnessed, but in the networking and the other people that we talk to and the time I've spent learning from other organizations that I normally wouldn't have the opportunity to spend several days onboard a ship with."

While underway, Gardner had an opportunity to sit down with several active-duty Minemen embarked from Littoral Combat Squadron (LSCRON) 2. "Sitting down with the Minemen and listening to their problems and trying to empathize with them and see things from their perspective instead of assuming what their needs are is so important for us. It gives us a much better understanding of what the fleet needs."

She continued in stating the importance of having opportunities to observe fleet experimentation and how it helps increase agility to meet emerging needs. "It helps us help Sailors. We have to keep the warfighter in mind and be in touch with what our Sailors need."

Welcome *ABOARD*

U.S. Navy photo by Anthony Powers

CODE 01	Samantha Snellen	1081
CODE 10	Tomeka Lucas	105
	Britteny Searcy	1013
	Donald Stoddard	1043
CODE A	Brandon Barner	A11
	Michael Beard	A22
	Rolanda Bingham	A14
	Peter Caron	A22
	Michael Denny	A25
	Savannah Mitchem	A42
	David Osafo	A13
	Emily Opperman	A42
	Nicole Pagan	A31
	Jose Rivas	A11
CODE E	Eric Bacchus	E24
	Charles Brooks	E41
	Robert Cortes	E51
	David Miller	E51
	Ronald Morton	E13
	Carlos Rubio	E41
	Joseph Speed	E31
	Daniel White	E25
CODE X	Jarom Jaskson	X11
	Melanie Macbain	X22
	Terry Silas	X13
	Eric Walker Jr.	X21

Calendar of **EVENTS**

AUGUST

8 **Popcorn with Public Affairs**
Time: 10 a.m.
Location: Public Affairs Office

9 **Live Music Featuring: The Squeeze**
Time: 5 p.m. – 8 p.m.
Location: Main Deck Pub and Grill

14 **Galley Meal for Retirees/Veterans**
Location: Seashore General Mess
For more information, call 235-5023

21 **Fun Swim**
Time: 11 a.m. – 12:30 p.m.
Location: MWR Pool

23 **Free Popcorn Friday**
Time: 11 a.m. – 1 p.m.
Location: MWR Marina

24 **National Marina Day**
Time: 11 a.m. – 3 p.m.
Location: MWR Marina

30 **Labor Day Galley Meal**
Location: Seashore General Mess

30/1 **Pepsi Gulf Coast Jam**

People of

PANAMA CITY

with Ashley Simpers

> *Out of all the places I have lived, Bay County has been the longest and I am proud to call Panama City my home.*

My name is Ashley and I serve as the Payroll Assistant in the Comptroller Department for NSWC Panama City Division. I have worked at NSWC PCD as a Defense Contractor providing support to the base for almost four years and officially came aboard NSWC PCD as a government employee in December 2018.

In my position, I provide guidance and support to employees on payroll regulations, policy, and procedures. I also assist with employee reimbursements, pay cap waivers, and restoration of annual leave. One of my biggest duties is ensuring our government employees have their time and attendance accounted for before the end of each pay period to prevent any loss in pay.

What I like most about my job is interacting with all of the employees. Since starting in December, I have had the chance to get to know a lot of the admins, supervisors, and employees from each department. I enjoy the camaraderie of our command and its support to the Warfighter.

For the most part, I grew up in Bay County. I was born at Tyndall Air Force Base. After my family moved to a few states in between, I returned to Panama City to attend Surfside Middle School and graduated from Bay High School. As a Navy child and wife, I have had the opportunity to live in Florida, South Carolina, Texas, Delaware, and Maryland. Out of all the places I have lived, Bay County has been the longest and I am proud to call Panama City my home.

I have been happily married for 12 years and I have three children ages 15, 11, and 9. They pretty much keep me busy with their extra-curricular activities. When I am not working or chauffeuring the kids around, I am attending school at Florida State University. I will graduate with a Bachelor's in Accounting in the next year. In my free time, I enjoy going to the beach and spending time with family and friends.

Most people do not know that I have a talent for baking custom cakes. Over the years, I have made numerous birthday, wedding, anniversary, and baby shower cakes, and the list goes on. I find the creativity that goes into designing cakes to be challenging and exciting.

U.S. Navy photo by Katherine Mapp

FIAR Financial Improvement and Audit Readiness

KNOW YOUR BUSINESS

CONTROL YOUR FUTURE

Every step of the way, people every day throughout the U.S. Navy are involved in the data that is produced, entered into systems, reported on, and used to make the decisions that enable the U.S. Navy to achieve its mission.

	Focus Areas	Outputs and Outcomes
Command Inspection	***People and Performance*** The commanding officer, team members, and their performance of mission goals.	***Permanent Records*** Formal reporting of incorrect practices, with potential for punitive action.
Financial Audit	***Processes, Controls, and Documentation*** Department of Navy business processes and systems; accuracy of financial data, records, and information.	***Continuous Improvement*** Initial failures are epcected due to ineffective processes. Continuous improvement will be needed to meet standards.

MILITARY AWARDS

PANAMA CITY, Fla. — On behalf of the Secretary of the Navy, Naval Surface Warfare Center Panama City Division Commanding Officer Capt. Aaron Peters presents Aviation Electronics Mate 1st Class David J. Hartmon the Navy and Marine Corps Achievement Medal July 19. As Quality Assurance Leading Petty Officer, Petty officer Hartmon supervised 25 contractors contributing to 352 mishap-free -flight hours in support of Airborne Mine Countermeasures research, development, testing, and evaluation. Additionally, Petty officer Hartmon led four Sailors in support of Command Security and the Public Affairs Office, maintaining over 18,000 records. U.S. Photo by Eddie Green

PANAMA CITY, Fla. — Naval Support Activity Panama City Commanding Officer Cmdr. Kevin Christenson reenlists Naval Surface Warfare Center Panama City Division Aviation Electronics Mate 1st Class Dylan J. Glemming July 2 at the Naval Support Activity Marina. U.S. Navy photo by Eddie Green

Civilian LENGTH OF SERVICE

35

Kirk Vanzandt
Martin Richardson

30

Daniel Lam
Jeffrey Nicodemus
John Christmas Jr
Stephen Hoeckley
William Logan

20

Hai Tran
John Link
Scott Lowery

15

Daniel Jordy
Keith Farney

10

Ana Martinez-Alequin
Andrew Bouchard
Bobby June
Brian Lawson
Bryan Gohn
Carey Martin
Caroline Lira
Carrie Delcomyn
Christina Lawson
Daniel Cassidy
Daniel Franklin
Darryl Ogden
David Malphurs
Diana Abee
Donald Hainline
Donn L. Smoker
Dustin Bride Frederick
Thornburgh
Ira Haraughty Jr
James Acroggs
James Nelson Jr
James Wolf
Jason Ten Broeck
Jason Price
John McDowell
Jonathan King
Kelley Close
Kelly Boyce
Kristine Olive
Maggi Wilczek
Michael Hobold
Miguel Camacho Jr
Nathan Mauntler
Ricardo Hall
Steve Rodgers
Ted Cooper
Tye Langston
William Porter

05

Benjamin Bancroft
James Burks

UPCOMING AWARDS

AUGUST 2019

Black Engineer of the Year Awards (BEYA) Professional and Academia Awards

American Society of Mechanical Engineers (ASME) Freeman Scholar Award

High school students prepare for future careers through Navy internships

By Katherine Mapp
NSWC PCD Public Affairs

PANAMA CITY, Fla. – Six high school students completed their summer internships through the Science and Engineering Apprenticeship Program (SEAP) July 26 after spending eight weeks at the Naval Surface Warfare Center Panama City Division (NSWC PCD).

SEAP provides an opportunity for high school students to participate in research at a Department of Navy (DoN) laboratory during the summer. This is the first time the SEAP internship has been available to high school students in our area for over a decade.

Capt. Aaron Peters, Commanding Officer at NSWC PCD, said offering internships at the high school level allows teens to gain experience working in a variety of science, technology, engineering, and mathematics (STEM) fields with the DoN.

"It is important to grasp the attention of our future generations and pique their interest in STEM related fields. Internships, such as SEAP allow students to see the immense impact their work can have for the U.S. Navy," said Peters. "SEAP fosters collaboration by enabling students to conduct hands-on work side-by-side with Navy scientists and engineers to develop new ideas that could potentially be another innovative tool in our toolbox for giving the tactical advantage to our Sailors and Marines."

The goals of SEAP are to encourage participating high school 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 future employment within the DoN.

Paige George, NSWC PCD STEM outreach program manager, encourages students to apply for the SEAP internship to broaden their knowledge in the STEM field and gain a greater understanding of the work the Navy does.

PANAMA CITY, Fla. – Science and Engineering Apprenticeship Program interns pose for a photo presentations to mark the completion of their eight-week summer internship program at Naval Surface Warfare Center Panama City Division July 26. Pictured from left to right: Mikyah Thompson (Rutherford High School junior), Anna Rudek (Bay High School senior), Summer Bernstein (North Bay Haven High School senior),Brayden Pitts (Mosley High School senior), Conaniah Booker (Bay High School graduate), and Ethan Shover (Rutherford High School graduate). U.S. Navy photo by Anthony Powers

"Students should pursue a SEAP internship to see firsthand the type of work the Navy does in support of the warfighter," said George. "The interns will have a better appreciation for the mission of the Navy's work before they begin college, and ultimately achieve their goal of earning a career."

Students participating in the internship represented four Bay County schools including North Bay Haven High School, Bay High School, Mosley High School, and Rutherford High School.

SEAP provided competitive research internships to 250 high school students this year. Participating students spend eight weeks during the summer doing research at 28 DoN laboratories.

For more information about the SEAP internship, or to apply for next summer, please visit: https://seap.asee.org/. The 2020 application window opened August 1.

NSWC PCD
DAWIA

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

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

Alejandra Alvarado
Jordan Bolduc
Curtis Bruce
Darshan Bryner
Alex Burgans
Brandon Burghardt
Franklin Castle
Sonoell Clark
Sascha Dastgerdi
Anthony Davis
Ludger Denis
Gordon Griffith
Daniel Leonard
Drew Lucas
Tyler Macdougall
Engrid Mastin
Leonard Maxwell
Benjamin Mclaughlin
Jeannie Millaway
Robert Mooneyham
Joshua Peters
Jason Price
Stephanie Scharf
David Slusser
Tyler Tierney
Jesse Walton
Matthew Wilson
Jacquelyn Zbranak

SAFETY

Summer Heat Safety

Summer temperatures are on the rise, start thinking about limiting your time in the sun between the hours of 10 a.m. and 4 p.m. when the sun and humidity are at their highest and know the different heat stress and flag conditions.

IMPORTANT NEVER leave your children or pets in a hot vehicle. Car temperatures can reach nearly 100 degrees within 10 minutes and 123 degrees in an hour.

HEAT CONDITION AND FLAG WARNING SYSTEM

In case you have wondered how wet bulb temperatures are arrived at, IT IS NOT THE TEMPERATURE ON A NORMAL THERMOMETER

Wet Bulb Temperature - WBT

The Wet Bulb temperature is the temperature of adiabatic saturation. This is the temperature indicated by a moistened thermometer bulb exposed to the airflow.

Wet Bulb temperature can be measured by using a thermometer with the bulb wrapped in wet muslin. The adiabatic evaporation of water from the thermometer and the cooling effect is indicated by a "wet bulb temperature" lower than the "dry bulb temperature" in the air. The rate of evaporation from the wet bandage on the bulb, and the temperature difference between the dry bulb and wet bulb, depends on the humidity of the air. The evaporation is reduced when the air contains more water vapor. The wet bulb temperature is always lower than the dry bulb temperature but will be identical with 100% relative humidity (the air is at the saturation line).

Green Flag (or no flag) wet bulb globe temperature index (WBGTI of 80 to 84.9 degrees F)

Heavy exercises, for non-acclimatized personnel, will be conducted with caution and under constant supervision. Individuals in charge of unit physical training or work details should monitor the WBGT Index periodically throughout the day, as changes are likely.

Yellow Flag (WBGTI of 85 to 87.9 degrees F)

Strenuous exercises or physical labor will be curtailed for non-acclimatized; in order to participate in physical training or strenuous exercise, personnel must have been in the immediate geographical area for greater than four weeks.

Red Flag (WBGTI of 88 to 89 degrees F)

All physical training or very strenuous work will be curtailed for "WJ those not thoroughly acclimatized by at least three weeks. Personnel not thoroughly acclimatized may carry on limited activity not to exceed six hours per day.

Black Flag (WBGTI of 90 and above degrees F)

All nonessential physical activity will be halted.

Suggestions for staying cool:

- Wear lightweight/light-colored clothing to reflect sunlight and keep your skin cool.

- Slather on the sunscreen, even under your clothes. (Loose garments will keep you cooler)

- Take regular breaks. Find a shaded place and check your heart rate to make sure it is not racing.

- Create your own shade by using an umbrella or hat.

- Don't be cavalier about the heat. If you are experiencing dizziness, weakness or other symptoms, Heat exhaustion can rapidly progress to heat stroke, which requires emergency medical attention.

Hydration:

So how much water should you be drinking to beat the heat? Avoid the sensation of thirst. By the time you feel thirsty, your body is already started dehydrating.

- Drink water before and during any outdoor activity or workout.

- Replenish fluids hourly throughout the day.

- Don't drink caffeinated products or alcohol as they can cause dehydration.

- Don't drink sugary beverages as they can cause cramping.

Know the Warning Signs:

Warning signs for heat exhaustion - the less serious of the two-include headaches, moist and pale skin, dizziness, weakness, nausea, and low-grade fever. Heat stroke happens when the body temperature rises above 105 degrees and requires immediate medical attention. Even with a trip to the emergency room, a heat stroke can kill.

Workforce Development

- **August 12** Information System Acquisition 201
- **August 19** Synthetic Aperture Radar Image Formation Processing
- **September 4** Microsoft Project 2015 Advanced
- **September 11** How to be a Successful Leader

To register for classes that are open, visit:
http://navsea.navy.deps.mil/wc/supernma/Training/SitePages/PCDU.aspx

For more information,
visit the Training page on iNAVSEA!
PCD-U Onsite Training or PCD-U Peer Course Training

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