May - June 2020 | Vol. 8 Issue 3

OCSTOR MARKET MA

WELCOMPACE ABOARD A





NSWC Panama City Division Ensuring Warfighting Dominance in the Littoral Battlespace





Capt. David N. Back, USN Commanding Officer



Robert O. Walker, SSTM Technical Director (Acting)

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).

For details about submissions, contact:

Naval Surface Warfare Center Panama City Division 850-230-7400 110 Vernon Avenue Panama City, Florida 32407 W_PNMA_NSWCPCD_PAO@navy.mil

To contact NSWC PCD's Fraud, Waste, and Abuse Hotline call: 850-234-4462.

Editorial Staff

Production Manager

Don McCall

Head, Public & Congressional Affairs Division, Code 103 Head (Acting), Internal/External Communications and Community Relations Branch, Code 1031 Head, Visual Information Branch, Code 1032 Head, Technical Information Library, Code 1033

Staff

Katherine Mapp, Public Affairs Specialist Susan H. Lawson, Protocol Officer & Contributor Cierra Camper, Awards Writer

Design

Christine Ward, Graphic Designer **Janice Grant**, Print Specialist

Photography

Ron Newsome, Photographer Anthony Powers, Photographer Eddie Green, Photographer

On the Cover



In the midst of fighting COVID-19, Capt. David N. Back relieved Capt. Aaron S. Peters as NSWC PCD commanding officer during a change of command ceremony May 8.

U.S. Navy photo by Eddie Green

Connect with us!



You Tube



iNFUSION | Tag your posts with #NSWCPCD fusion.navsea.navy.mil



W PNMA NSWCPCD PAO@navy.mil

NSWC PCD Wiki Homepage wiki.navsea.navy.mil/display/NSWCPC/ Naval+Surface+Warfare+Center+Panama+City+Division



navsea.navy.mil/home/Warfare-Centers/ NSWC-Panama City/

IN THIS

04 View from the Bridge

05 Workforce Connection

- 05 | Welcome Aboard
- **05** | Civilian Length of Service

06 Technical Spotlight

- **08** I NSWC PCD's biotechnology lab sanitizes to combat COVID-19
- **09 I** NSWC PCD procurement lead designs lip reading kit
- **10** Battle of Midway
- **13** I NSWC PCD engineer receives Top Navy Scientists and Engineers Award
- 14 NSWC PCD personnel earn 15 Warfare Center Awards

12 Workforce Connection

11 NAVSEA Face Mask Policy

- (insert) | Hurricane Preparedness
- **16** | People of Panama City

21 Lifestyle

- **16 I** DAWIA
- **17** | FIAR
- **18** | OPSEC
- 19 | Safety

Features



Back relieves Peters as Commanding Officer



CSTRS Depot open for business





Capt. David N. Back, USN Commanding Officer

I want to take a moment to thank you all for what you do. It is crucial in my role as your Commanding Officer to have an effective team who can efficiently get the job done – and you are that.

- Capt. David Back, USN Commanding Officer, NSWC PCD

NSWC PCD Team,

It is my honor and privilege to serve as your 32nd Commanding Officer at Naval Surface Warfare Center Panama City Division (NSWC PCD).

Since taking command on 8 May, I have already met so many bright, dedicated individuals and learned so much – but I know this is only a glimpse of the amazing work that you, the members of the PCD Team, do each day.

Despite the current COVID-19 environment, our team continues to remain resilient and forward-leaning by rapidly delivering solutions, meeting emerging fleet needs, sharpening our technical expertise in our field, and taking every measure to be a model employer and organization.

The work we do at this command is vital for the Navy and for the Sailors and Marines defending our freedom each day.

I am amazed on a daily basis at the technological advances that you produce in science and technology, littoral and mine warfare, diving and life support, expeditionary and maritime systems, and naval special warfare. I'm excited to learn more about the ways our command is supporting the fleet.

While the technical codes deliver products and direct fleet support, the business codes are the backbone of our organization, providing the manpower, training, and funding that allows the Warfare Center to function at all. Our Comptroller, Contracts, Corporate Operations and command support staff provide invaluable assistance to ensure we successfully meet our mission requirements.

Finally, our active duty military personnel spend each day providing the critical "operator's perspective" to help us conduct research, development, test, and evaluation in support of the Navy's most critical mission areas.

I want to take a moment to thank you all for what you do. It is crucial in my role as your Commanding Officer to have an effective team who can efficiently get the job done – and you are that.

This year marks my 25th year as a commissioned officer in the U.S. Navy. My career roles in the Navy have been building blocks that have prepared me for new challenges and have shaped me into the leader I am today. I am eagerly looking forward to our next three years together, and joining you all in supporting our vision of ensuring warfighting dominance in the littoral battlespace.

Maintain Course and Speed,

Capt. David Back Commanding Officer, NSWC PCD



Workforce Connection



U.S. Navy photo by Eddie Green

CODE 01	
Jessica Gutierrez	01B1
Kaila Sparkman	0121
Rachel Thompson	0132
CODE 10	
Justin Bibler	1042
Gregory Brotherton	102
Cierra Camper	1031
Heather Deich	1042
Donald Lovejoy	1041
Michael Sumpter	1042
CODE A	
Daniel Bockstege	A14
Tiffany Carter	A32
Zachary Goldsmith	A21
Candice Logan	A23
Valerie Maisonave-Collazo	A11
Francisco Miramontes	A13
Gretchen Rivera	A42
Ellen Tran	A25
CODE X	
Conaniah Booker	X22
Gabrielle May	X13
David Osgood	Х
Haley Perez	X14
Evan Stafford	X22

CODE E
Thomas Allen
Ryan Barrett
Frank Bobe III
Casey Brennan
Natalie Cook
Sherrie Enright
Ryan Fisher
Erick Garcia-Alvarez
Richard Gillis
Adam Griffin
Joshua Hill
Joshua Hinton
Derek Hooker
Zachary Kirksey
Thomas Klaeser
Brandy Lewis
Erica Martin
Bonnie McClutchy
Richard Moore
Jordan Murray
Devin Paul
Lindsay Portas
Manuel Rodriguez
Steven Rutledge
Philip Salinas
Kevin Strong
Courtney Swearingin
Luis Velazquez

E31

E50

E53

E42

E53

E53 E15

E43

E50 E53

E13

E43

E15

E23

E31

E51

E53

E11

E32

E31

E34

E53

E52

E52

E30

E14

E52

E12



DAVID BACK RELIEVES AARON PETERS AS NSWC PCD COMMANDER



By Susan H. Lawson, NSWC PCD Public Affairs

U.S. Navy photos by Eddie Green

PANAMA CITY, Fla. — Capt. David N. Back relieved Capt. Aaron S. Peters as commanding officer, Naval Surface Warfare Center Panama City Division (NSWC PCD) in a small ceremony at the flagpole May 8 in accordance with COVID-19 social distancing requirements.

During the ceremony, Peters passed his command pin to Back as a symbol of camaraderie to begin a tradition for commanders of NSWC PCD.

At the conclusion of the ceremony Peters, who was an all-state wrestler from Ohio and a wrestler for U.S. Naval Academy removed his boots, a time honored tradition for wrestlers retiring from competition.

After leading the command through Category 5 Hurricane Michael and the rebuilding process, and now through the COVID-19 pandemic, Peters will retire without the fanfare typically afforded a Navy leader after more than three decades in service to the nation.

"It has been an honor to serve this command as their leader during these great times of change. I cannot express enough how proud I am of the people within this organization," said Peters. "They have stepped up to the plate at every opportunity while maintaining strength during all of the adversity. I am proud to have been able to support during times such as these."

Back assumes command after serving most recently as the bridge system integration program manager at Program Executive Office, Ships. A surface warfare officer acquisition professional, Back has held a variety of operational and acquisition assignments and is the former commanding officer of USS Independence



Capt. Aaron Peters

(LCS 2) "Gold Crew." He has also served as division officer, operations officer, department head and executive officer roles while aboard USS Constellation (CV 64), USS Pinckney (DDG 91), USS Cowpens (CG 63), and USS George Philip (FFG 12).

Ashore, Back served at the Naval Surface Warfare Officers School as an air defense, operations and naval tactical planning instructor. He spent a year as a brigade electronic warfare officer with the 213th Area Support Group (Army National Guard) in Balad, Iraq. His first acquisition tour was as the principal assistant program manager for Aegis Fleet Support (PEO IWS IFR).

A native of Livermore, California, Back is a 1995 graduate of Stanford University (NROTC Program) with a Bachelor of Arts degree in English. Back also has a Master of Science degree in Modeling, Virtual Environments, and Simulations from the Naval Postgraduate School.

Back said, "I am honored to assume command of NSWC PCD, and I will continue the outstanding efforts of Capt. Peters with this organization. I am looking forward to working with the talented and dedicated Panama City team."

Capt. David Back

CSTRS DEPOT RAPIDLY DELIVERS FLEET SOLUTIONS DESPITE COVID-19

John Jacobs (front) and Cory Appling (back), mechanical and fiber optic technicians, prepare a Sensor Deployment Cable for installation on Carriage, Stream, Tow, and Recovery System (CSTRS) at the CSTRS Depot May 5.

By Katherine Mapp, NSWC PCD Public Affairs

PANAMA CITY, Fla. — Despite challenges associated with the COVID-19 environment, the Carriage, Stream, Tow, and Recovery System (CSTRS) Depot team at Naval Surface Warfare Center Panama City Division (NSWC PCD) is continuing to rapidly deliver solutions while meeting emerging fleet needs.

CSTRS provides a capability to helicopters to conduct Airborne Mine Countermeasures by locating mines, classifying mines, and detonating them.

According to Torger Reppen, CSTRS Project Manager, the system is maintained and repaired locally by a depot of subject matter experts after fleet usage.

"When the fleet uses CSTRS, it is exposed to harsh conditions such as saltwater spray, hot weather on ship decks, and many, many modes of transportation. The sailors conduct certain periodic maintenance after every use," said Reppen. "However, over time, the system needs a full depot level overhaul. The fleet sends the equipment to us for maintenance and we service it before returning it to the fleet."

The purpose of the overhaul is to extend the life of system. To properly care for the system, the Depot personnel routinely replace seals and wear surfaces, replace U.S. Navy photos by Eddie Green

nuts and bolts, overhaul the paint job, make repairs, and incorporate upgrades. Reppen said CSTRS units look quite new when they leave the Depot en route to the fleet users.

The CSTRS Depot team consists of nine personnel, ranging from mechanical, electrical, and fiber optic technicians, to engineers, inventory specialists, and safety. Almost as many support personnel physically work apart from the Depot, while supporting the mission, such as financial analysts, logisticians, project managers, and engineers.

Reppen said the CSTRS Depot Team delivers an asset, which allows the warfighter to keep out of harm's way in the complex nature of mine warfare mission sets.

"Traditional ways of searching and destroying mines include minesweepers and divers. While those options are very necessary, increasingly technology is enabling us to keep the warfighter out of the minefield," said Reppen. "It saves our shipmates lives. Most of our Depot personnel have served in the military. They know daily the importance of getting a quality product to the fleet."

Resiliency is not new to the Depot team. After Hurricane Michael in 2018, no fewer than eight team members were displaced, but continued to deliver support to the fleet. Reppen expressed the CSTRS Depot personnel's resiliency through delivering products and capabilities, making repairs, and keeping up with emerging fleet needs under the COVID-19 pandemic.

"With the COVID-19 situation, the Depot order personal protective equipment in early February and began in earnest to prepare for max teleworking – long before the terms max-telework and social distancing were ever uttered. The Contractors set up their connection capabilities, the Government personnel got their telework agreements in place. The Depot Manager set up a watch bill that would reduce the number of personnel at the Depot by alternating days," said Reppen. "This was all in preparation to ensure we meet mission requirements."

Reppen added that the CSTRS Depot's commitment and determination to ensure warfighting dominance is motivational.

"A team like the CSTRS Depot is motivating – perpetually motivating one might say," said Reppen. "This team motivates each other to do a great job by staying professional, by caring about the warfighter, and by caring about one another."



BIOTECHNOLOGY LAB SANTZES TO COMBAT COVID-19

By Katherine Mapp, NSWC PCD Public Affairs

U.S. Navy photos by Eddie Green

The Biotechnology Research and Development Laboratory team at NSWC PCD is rapidly delivering hand sanitizer solutions to help personnel stop the spread of the COVID-19 virus PANAMA CITY, Fla. — Amid COVID-19, the global demand for hand sanitizer has reached unprecedented levels. The Biotechnology Research and Development Laboratory (BRDL) team at NSWC PCD is rapidly delivering hand sanitizer solutions to help personnel stop the spread of the virus.

DeAnna Pedersen from NSWC PCD's procurement branch was finding it increasingly difficult to locate and purchase hand sanitizer for mission personnel that needed to travel in support of the fleet. Pedersen reached out to Dr. Josh Kogot, NSWC PCD biochemist, for a solution. After becoming aware of the challenges and the need for hand sanitizer to provide safety for the NSWC PCD team, Kogot offered the BRDL's expertise and support.

Kogot and Dr. Travis Hand, NSWC PCD scientist, produced an immediate batch of sanitizer within two hours of request, and delivered it to the team prior to their departure. Kogot, Hand, and Jeff Eichler from NSWC PCD's BRDL, are continuing production of hand sanitizer in the lab to provide the needed amount for the workforce and other emergent needs.

Technical Spotlight

The Biotechnology Research and Development Laboratory team at NSWC PCD is rapidly delivering hand sanitizer solutions to help personnel stop the spread of the COVID-19 virus. Pictured from left to right: Dr. Travis Hand, Dr. Josh Kogot

and Jeff Eichler.

The initial production will yield up to 20 gallons within a two-day period.

"NSWC PCD's mission is critical to the defense of our country. In order to ensure the safety of our mission essential personnel, hand sanitizer has become critical," said Dr.

Josh Kogot, NSWC PCD biochemist. "Not being able to purchase hand sanitizer commercially has required NSWC PCD to produce it from raw chemicals."

Dr. Keith Aliberti, NSWC PCD science and technology department head, said during these unprecedented times, alcohol-based hand sanitizer recommended by the CDC has become critical to reducing the spread of COVID-19.

"The World Health Organization expects healthcare professionals alone will need approximately 9.2 billion gallons of sanitizer in one year. According to Arizton Advisory and Intelligence, prior to COVID-19, worldwide production of sanitizer was just under 800 million gallons per year," said Aliberti. "Hand sanitizer needs to contain at least 60% alcohol so that it can kill germs – it does this by denaturing protective outer proteins of viruses and microbes thereby dissolving their membranes."

NSWC PCD's BRDL is a state-of-the-art laboratory that conducts cutting-edge research on the use of biotechnology to address complex technical problems related to the littoral battlespace. The laboratory is staffed with seven personnel that have expertise in chemistry and biochemistry and contains a fully equipped wet chemistry laboratory. The expertise in the laboratory and their ability to respond to urgent needs made it the ideal facility to respond to the unavailability of sanitizer.

The combined efforts ensure that the NSWC PCD team can maintain a safe working environment by having access to hand sanitizer when hand washing isn't possible.

PROCUREMENT LEAD DESIGNS LIP READING KIT

By Susan H. Lawson, NSWC PCD Public Affairs

U.S. Navy photos by Eddie Green

PANAMA CITY, Fla. — Jonathan Chapman, NSWC PCD procurement lead, designed a lip reading kit for the hearing impaired with the help of fellow employees and a 3D printer.

"A need was brought to my attention to help people with hearing impairments during COVID-19," said Chapman. "Masks are a wonderful answer to keep the workforce safe during this time but can bring communication to a complete stop for personnel who rely on their extraordinary ability to lip read."

Chapman developed the idea with a desire to design a tool that would stay in the control of the individual so they would always be able to communicate no matter where on base their job took them.

With an extremely low supply for masks and the need for 100 percent of the workforce to obtain a clear mask, Chapman developed the hand held concept. After settling on a design and working on sketches with Dr. Chris Musto, Hydrospace Laboratory manager at NSWC PCD, Chapman obtained an endorsement from the Equal Employment Opportunity office. Chapman and Musto used a 3D printer at NSWC PCD to achieve the end-result for his design of a simple handle that would hold a clear sheet to aid in the protection of individuals needing to lower their mask and communicate via lip reading.

"I am thankful we were able to create this kit for our hearing impaired team members," said Musto.

The kit consists of a handle, three faceshield inserts, one terry cloth, alcohol prep pads, and a carrying case. All components fit into the case making it easy to carry, keeping at desk areas, or loading to go in a laptop bag.

"It is really great to see these wonderful ideas coming from all parts of our organization through collaboration," said Mike Adams, Corporate Operations department head at NSWC PCD.

The command currently has five kits ready to distribute with the ability to create more upon demand.

"I hope the kits will serve the workforce well during this time," said Chapman.

The new lip reading kit designed by NSWC PCD procurement lead Jonathan Chapman. Chapman designed the kit as a result of the COVID-19 pandemic and requirements of face masks and shields. The kit was designed primarily for use by hearing impaired employees.

Jonathan Chapman, NSWC PCD procurement lead, speaks with Deanna Pedersen, NSWC PCD procurement branch head, using the lip reading kit he designed. Chapman designed the kit for use by hearing impaired team members at the command.





BATTLE OF MIDWAY U.S. INVOLVEMENT IN THE WORLD WAR II

TIMELINE OF SIGNIFICANT **EVENTS JUNE 4, 1942**

0700

Enterprise and Hornet begin launching

0838

Yorktown launches

1020

Enterprise and Yorktown torpedo squadrons attack

1022-1026

Enterprise and bombers attack and hit Akagi, Kaga, and Saryu

1208

Japanese dive bombers attack Yorktown

1441

Torpedo planes attack Yorktown

1445 Yorktown hit

1455

Yorktown abandons ship

1500

B-17s take off from Midway

1810

Two B-17s attack BB and damaged CV

1830

Six B-17s attack damaged CV and DD



World War II began **SEPTEMBER 1.1939**.

when Nazi Germany invaded Poland. The U.S. remained neutral until December 7, 1941, when the Japanese attacked Pearl Harbor. The Japanese employed six carriers to destroy the U.S. Pacific Fleet at Pearl Harbor; however, none of the U.S. carriers were present at Pearl Harbor during the assault.

The U.S. declared war against Japan on December 8, 1941, After several months of expansion, the Japanese Combined Fleet turned its sights on Midway, a small Pacific-based atoll, which then served as a U.S. sentry to Hawaii, refueling station, and landing point. The Japanese plan assumed the Pacific Fleet would arrive too late to defend Midway, but U.S. forces were waiting for them at "Point Luck."

U.S. and Japenese armed forces fought during the Battle of Midway, June 3-7, 1942 at and near the Midway Atoll in the central Pacific Ocean. The victory at

Midway represents a strategic turning point for the U.S. in Japan's war in the Pacific. Before the battle, Japan possessed naval superiority over the U.S. Afterward, opposing fleets were balanced and the U.S. soon took the offensive. as a result of the battle on June 4th, the Japanese carriers Akagi, Kaga, and Soryu were hit and sank. the Japanese carrier Hiryu escaped the initial attack, but U.S. dive bombers found, bombed, and sank her.

Midway was a great success in U.S. Navy history. The only strategic regret might have been failing to locate and attack Hiryu before its aircraft struck Yorktown

The Battle of Midway marked a technical revolution in displacing gunnery with naval carrier airpower as a primary means of delivering ordinance. Prior to the Battle of Midway, the Japanese conquered several territories and expanded their resources in the Far East and South Pacific. By early May, the Japanese had an extensive defensive perimeter.





Capt. Rochefort and his cryptanalysts broke enough of the Japanese code to know they planned to strike at Midway and the Aleutians in early June 1942. Armed with this intel, U.S. Pacific Fleet Commander Adm. Nimitz regained the initiative and prepared an ambush.

PEARL HARBOR:				
B	THE N	UMBE	RS	
2,403	KILLED) IN AC	TION	
2,008 U.	S NAVY	109 U.S	MARINES	
218 U.S	ARMY	68 CI\	/ILIANS	
3 TOTAL LOSS SHIPS				
USS ARIZONA (BB 39)				
USS OKLAHOMA (BB 37)				
USS UTAH (AG 16)				
17 SHIPS	RETUR	NED TC) SERVICE	
5 SHIPS SUNK. RAISED. REPARIED.				
12 DAMAGED SHIPS REPARIED OR REBUILT				
0 CARRIERS LOST				
NONE OF THE SEVEN U.S. AIRCRAFT				
CARRIERS WERE AT PEARL HARBOR				
DURING ASSAULT				
SUMMARY OF LOSSES				

1	CARRIERS	4
150	AIRCRAFTS	256
307	MEN	2,204

RESULTS OF THE VICTORY AT MIDWAY

- Japanese expansion halted, securing a t central-Pacific guard post for Allied Forces
- Japanese losses at Midway made it
- possible for America's Navy to even-tually reclaim maritime superiority in 忎
- the Pacific theater
- Naval Aviation proved to be a viable t and necessary capability to win wars
- Our Sailor's strength and resilience at t
 - Midway were a perfect illustration of the fighting spirit of America's Navy today

PREPARING FOR BUCARIOS J. Castillo, Acting Deputy

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

> 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.

DURING COVID-19

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

As you continue to take precautions to keep

yourself and your family safe from the coronavirus

(COVID-19) pandemic, it is important to stay pre-

pared for other disasters. Hurricane season began

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 72 hours. 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 2 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.

FEMA

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 6 feet of space between you and people who aren't members of your household.

DISASTERS WON'T WAIT. NEITHER SHOULD YOU.

DOWNLOAD THE NFASS APP



In times of emergency or crisis, NFAAS is an 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 <u>https://navyramily.navy.mi</u>

HURRICANE RESOURCES

EMERGENCY SITUATIONS

Dial 9-1-1 www.fcc.gov/ consumers/guides/911wireless-services

LOCAL EMERGENCY INFORMATION

850-234-4900 http://facebook.com/ NSWCPCD/

N5A PC: 850-234-4100 https://www.facebook. com/NSAPC/

American Red Cross http://www.redcross.org/ get-help

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 1 (813) 962-6611 http://disaster. salvationarmyusa.org/ aboutus/?ourservices

Florida 511 Dial 5-1-1 or www.fl511.com

Available on the

Google play

The Weather Channel 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 facebook.com/WMBBTV

HURRICANE EMERGENCY WEATHER



Fill **GAS TANK** and additional fuel for larger vehicles.



- 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: http://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 $\mathbf{\nabla}$ any road closures.

SECURE PROPERTY, including loose lawn furniture. Permanent storm shutters offer \checkmark the best protection for windows.

- $\mathbf{\nabla}$
 - **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 \checkmark will close when winds exceed 40 mph.

must wear cloth face coverings to enter NAVSEA facilities/buildings.The face covering must cover the nose and mouth.

Effective

This policy is in effect until the NAVSEA Return to Workplace Instruction is pro-mulgated, which may modify the mask wearing protocol.

Face coverings must be worn in common spaces such as lines to obtain products or services, entrances and exits, hallways, elevators, stairwells, bathrooms, cafeteria, vending machines and ATMs. Personnel may remove facial cover-ings while working inside a private office, cubicle, or workspace where at least six feet of physical distance is strictly maintained. Face cover-ings may be removed in conference rooms if you can ensure maintaining at least 6 feet of physical separa-tion. Signs will be posted outside every conference room identifying the maximum number of personnel allowed in order to maintain 6 feet of physical distancing.

NAVSEA

FACE MASK

Should a meeting require more people than posted, then face cov-erings must be worn by everyone in the conference room. Please remember that this maximum number is to ensure there is enough space to maintain separation.

It is incumbent on everyone to ensure that this separation is maintained if not wearing face coverings.

Face coverings must be worn when entering and exiting the buildings.

The top priority is to maintain 6 feet of physical distance. However at times that is not possible. Please use your own judgment when in a situation where 6 feet of separation is not possible such as in an elevator.

As stated above, cloth face cov-erings are required in elevators but some people may not feel comfort-able getting on an elevator with another person. Please do what makes you feel comfortable such as waiting for

another elevator or taking the stairs.

Please remember that wearing face coverings is not to protect the wearer. It is to prevent the wearer from possibly spreading the virus if they have it and do not know. Consider complying with this as important as wearing our badges in the buildings. Should you see someone not wearing a face covering in required areas, please ask them to put one on -- from a safe distance of course.

Stop the Spread of Germs

Help prevent the spread of respiratory diseases like COVID-19.



Important Information About Your Cloth Face Coverings

Print Resources Web Page: https://www.cdc.gov/coronavirus/2019-ncov/communication/print-resources.html

As COVID-19 continues to spread within the United States, CDC has recommended additional measures to prevent the spread of SARS-CoV-2, the virus that causes COVID-19. In the context of community transmission, CDC recommends that you:



In addition, CDC also recommends that everyone wear cloth face coverings when leaving their homes, regardless of whether they have fever or symptoms of COVID-19. This is because of evidence that people with COVID-19 can spread the disease, even when they don't have any symptoms. Cloth face coverings should not be placed on young children under age 2, anyone who has trouble breathing, or is unconscious, incapacitated, or otherwise unable to remove the mask without assistance.

How cloth face coverings work

Cloth face coverings may prevent the person wearing the mask from spreading respiratory droplets when talking, sneezing, or coughing. If everyone wears a cloth face covering when out in public, such as going to the grocery store, the risk of exposure to SARS-CoV-2 can be reduced for the community. Since people may spread the virus before symptoms start, or even if people never have symptoms, wearing a cloth face covering may protect others around you. Face coverings worn by others may protect you from getting the virus from people carrying the virus.

General considerations for the use of cloth face coverings

When using a cloth face covering, make sure:

- The mouth and nose are fully covered The covering fits snugly against the
- sides of the face so there are no gaps
- You do not have any difficulty breathing while wearing the cloth face covering
- The cloth face covering can be tied or otherwise secured to prevent slipping



Clean and disinfect

frequently touched

objects and surfaces.

For more information, go to: https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/how-to-make-cloth-face-covering.html

Important COVID Sites

Center for Disease Control: https://www.cdc.gov/coronavirus/2019-ncov/index.html

Florida's COVID-19 Response: https://floridahealthcovid19.gov/ Florida's COVID-19 Dashboard: https://experience.arcgis.com/experience/96dd742462124fa0b38ddedb9b25e429

NAVSEA's COVID-19 Website: http://www.navsea.navy.mil/Resources/Coronavirus

DoD Cloth Face Mask Guidance:

https://media.defense.gov/2020/ Apr/05/2002275059/-1/-1/1/DOD-GUIDANCE-ON-THE-USE-OF-CLOTH-FACE-COVERINGS.PDF

CDC Do-it-Yourself Cloth Face **Covering Instructions:** http://www.cdc.gov/coronavirus/2019-ncov/downloads/DIY-cloth-face-covering-instructions.pdf

NSWC PCD ENGINEER DR. ISAAC SLEDGE RECEIVES TOP NAVY SCIENTISTS ENGINEERS

By Cierra Camper, NSWC PCD Public Affairs

PANAMA CITY, Fla. — A Naval Surface Warfare Center Panama City Division (NSWC PCD) electrical engineer was among seven individuals and five teams to receive a top Navy award.

Dr. Isaac Sledge, NSWC PCD's emergent engineer was selected to receive the Assistant Secretary of the Navy for Research, Development, and Acquisition Dr. Delores M. Etter Top Scientists and Engineers of the Year 2019 Award.

Sledge said he was surprised, shocked and humbled when he learned of receiving this award.

"I found out about this award when I was reading through the Naval Sea Systems Command (NAVSEA) executive director all hands email. I was surprised to see my name listed when I scrolled through it. I was then shocked and humbled once I realized why it was listed."

In the email sent out to all NAVSEA employees executive director James Smerchansky, congratulated the winners and stated the NAVSEA enterprise was well represented.

"These are highly competitive awards and require the winners to have made extraordinary accomplishments in their fields," said Smerchansky.

> Robert Walker, NSWC PCD technical director, acknowledges Dr. Sledge's hard work in receiving this top Navy award.

"Dr. Isaac Sledge's determination and commitment to the command through his findings in machine learning and signal processing deserves to be recognized," said Walker. "Congratulations Dr. Sledge on receiving such a prestigious award and representing the NSWC PCD team well." Sledge will receive the award for his technological breakthroughs in the areas of Machine Learning and Signal Processing. Sledge's research in Reinforcement Learning led to the discovery of a method for optimal decision making in the presence of uncertainty, significantly reducing an autonomous vehicle's learning time and maximized overall utility.

Sledge also developed novel deep learning approaches to significantly out-perform current side-scan sonar automatic target recognition algorithms that are currently used in the fleet. The combination of these will significantly reduce the time required for effective mine countermeasure clearance operations.

Sledge has also published several top-tier journal and conference papers and recognizes colleagues that have helped him with his achievements.

"This award is an acknowledgement that the machine learning and pattern recognition efforts at our Warfare Center are being recognized and appreciated," said Sledge

Sledge, native of Fort Walton Beach, Fla. received a bachelor of science in Electrical and Computer Engineering at the University of Florida in 2006, a master of science in Electrical and Computer Engineering in 2016, and a Ph.D. in Electrical and Computer Engineering in 2018.

Dr. Isaac Sledge

U.S. Navy photo

By Cierra Camper NSWC PCD Public Affairs

Individual personnel and collaborative teammates at NSWC PCD have been selected to receive 2020 Warfare Center Awards.

In a message to the Warfare Center workforce, Rear Adm. Kevin Byrne, commander, and Dr. Brett Seidle, executive director, Naval Surface and Undersea Warfare Centers, recently announced the recipients.

The 843 members of the Naval Surface and Undersea Warfare Centers workforce were represented well through the 119 team and individual nominations, 53% more nominations than the previous year. Of the 64 awards given across the Warfare Center Divisions, 15 of those awards were teams or individuals from NSWC PCD.

NSWC PCD more than doubled the number of nominations from the previous year, and nearly doubled the amount of wins.

NSWCPCD PERSONNEL EARN

Robert Walker, NSWC PCD technical director, applauds the performance of the NSWC PCD team for receiving these prestigious awards.

"I am proud of the NSWC PCD team's accomplishments and efforts in receiving these well-deserved awards," said Walker. "The numerous wins for the NSWC PCD team signifies the commendable actions of our personnel across our business and technical departments, and recognizes our command on the national stage."



The Warfare Center Awards w lished in 2005 to recognize e achievements in six categories: t Dean Award for Talent Manager Information Security Award, the I Award, the John C. Mickey Colla Award, the Knowledge Sharing Av the Technical Support Services Aw



Information Security Award

The Risk Management Framework (RMF) Reviewer Comment & Standard Operating Procedure (SOP) Team

For substantially streamlining the RMF process through a data-driven analysis resulting in formal documentation as an SOP. Their standardized comment process addressed a major finding of the metrics team. The team's efforts eliminated the inefficiencies of addressing non-actionable comments, realizing a cost avoidance of 5.6 to 9.3 million dollars, every three years.

NSWC PCD Recipient: Daniel Jermyn

John C. Mickey Award for Collaboration

Cynthia Ratliff

For substantial contributions in the redesign of an outdated onboarding curriculum, increasing training compliance while streamlining numerous training processes, and encouraging a rigorous training program to close leadership competency gaps at multiple levels within the Panama City Division.

Diver Augmented Vision Device Team

For innovation and creativity in the development of an innovative system incorporating see-through head-up display technology into a military diving helmet. The team's efforts will revolutionize military and commercial diving for salvage, ship husbandry, underwater construction, scientific research missions, and significantly improve diver situational awareness.

NSWC PCD Recipients: Dennis Gallagher, Richard Manley, Allie Williams, William Hughes, and Brian Wentworth

Science, Technology, Engineer Mathematics (STEM) Outreach

For significantly expanding STEM within a community struggling t after Hurricane Michael. Through including Science Brothers shows, Convention, and FIRST Lego Lea new educational partnership agr their team continued to increase th of students and educators react building the foundation for futu and strengthening Panama City workforce.

NSWC PCD Recipients: Myranda DeAnna Pedersen, Kinsey Taylor, Da James Prater, Jr., Christopher Voorh George, Gavin Taylor, and Nicole V

John C. Mickey Award for Collaboration

The Live, Virtual, Constructive (LVC) Modeling and Simulation Team

For successful collaboration on an informed technical assessment working towards a common, interconnected, and interoperable Naval Integrated LVC Environment, as a principal resource to enable the exercise and assessment of system-of-systems pertinent to emerging warfare constructs. The team's efforts led to a partnership with Navy Modeling and Simulation facilitating the management and prioritization of the Naval Enterprise Modeling and Simulation portfolio of investments using this methodology.

NSWC PCD Recipient: R. Dale Rhinehart

The Project Z Team

For substantial contributions in the development and demonstration of a Subsea and Seabed Warfare Capability through collaboration between NUWC Newport, NSWC Carderock, NSWC Indian Head, and NSWC Panama City Divisions.

NSWC PCD Recipients: Brunti Givens, Dr. Jermaine Kennedy, Dr. Kwang Lee, Dr. Daniel Stemlicht, Dr. Patrick Tam, and Bryan Todd.

The In-Service Engineering Agent of the Future Team

For substantial contributions achieved through significant collaboration between the ten divisions hosting a major campaign for the Warfare Centers, the Office of Naval Research, and more than 100 businesses and government agencies to strategize on targeted technologies for fiscal years 2020 and 2021. The team's efforts resulted in productivity improvements to rapidly develop and demonstrate technology in response to a joint emergent operational need statement.

NSWC PCD Recipient: Karl Morris.

The Cyber Defense of Unmanned Maritime Systems Team

For embracing a One Team approach, resulting in exceptional advancement in the development of an end-to-end cyber-hardened autonomy solution, suitable for transition into operational use.

NSWC PCD Recipients: Jesse Ardonne, Dr. Matthew Bays, Patrick Currie, Joshua Davis, Keith Farney, Pamela Stampnick, and Dr. Joshua Weaver.

Single Sortie Detect-to-Engage Team

Innovation Award

For innovation and creativity in the integration of technologies into an innovative suite of systems removing the man from the mine field during both the detection and neutralization of mine target. Their efforts integrated fleet-proven sensor technology prototypes and commercial systems into a viable system-of-systems for the autonomous detection and neutralization of mines while improving the use of artificial intelligence in addressing the mine countermeasure challenge.

NSWC PCD Recipients: David Davila, Jason Niemczura, Brett Thach, Justin Grimes, Chris Palmer, Willis Walker, Adam Logan, Gabriel Perez-Figuerola, Kelly Williams, Marc Miller, and Jesse Routh

Holly Gardner

For creativity and innovation in developing an on-line, secure technical program management database and reporting tool that improves the quality of work products and decreases the labor costs associated with programmatic monthly reporting by a minimum of 40 hours per month.

Lorene Adams

For successfully orchestrating the completion of an exhaustive list of unmanned underwater vehicle family of systems mine countermeasure tactical product deliverables while meeting the expectations of the operational community of the Navy Explosive Ordnance Division through direct support to the Naval Expeditionary Combat Command.

Mine Hunting Unmanned Surface Vehicle In-Service Engineering Agent Team

For timely development of a reliability and maintainability plan for the mine hunting unmanned surface vehicle, to ensure no degradation or lapse in support of the forward deployed assets. The team's efforts improved the drawing package, rapidly responded to issues from the overseas team, and developed engineering change proposals to improve availability.

NSWC PCD Recipients: Brock Bailey, Robert Gudgel, Richard McNaron, Jim Brackett, Steve Kantor, Luke Ridley, David Dillinger, Daryl Kunkel, Frances Rose, and Mike Elrod

Olivia Farr

Technical Support Services Award

For achieving unparalleled contracting efficiencies including reducing turn-around and review times to a fraction of what is considered average and collecting lessons learned to ease the transition time for future employees. Farr's negotiation skills led to a cost savings of 1.85 million dollars in the General Services Administration award for self-contained breathing apparatus gear.

Michael Kolbe

For an unparalleled leadership of the re-instituted Mine Warfare Readiness and Effectiveness Measuring Program, including training with subject matter experts to ensure requisite data collection and installation, linking thousands of files to the database in just weeks. Kolbe's unprecedented accomplishments set a high bar in the mine warfare community, including recovery of a jettisoned AN/AQS-24B for HM-15, avoiding 3.5 million dollars in recuperative costs for this asset.

SEAL Delivery Vehicle Team

For successfully upgrading the entire MK8 MOD1 electronics system to resolve obsolescence issues, while maintaining in-service engineering agent services to the fleet.

NSWC PCD Recipients: Steven Albertson, Austin Graham, Timothy McTrusty, Tim Alexander, John Gwin, Jeannie Millaway, Clayton Brookins, Michael Hodges, Nicole Newsome, John Chandler, Bobby June, Lee Noble, Bobby Dixon, Seungjin Lee, Brandon Sheffield, Chad Dunham, Tung Le, John Simonsen, Harry Evans, Ryan Mabry, Josh Stanford, Navy Diver 1st Blake Flohre, Dane Maglich, and Kevin Townsend



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

Attah Ali Anna Anderson Dominic Araujo Adam Ard **Rvon Bates** Earl Baucum Danielle Bingham Thomas Burleson Muhibus Chaudhury Michael Crisp Justin Deherder Copsey Douglas David Dunn Jefferv Eichler Kent Engelhart James Faison **Dustin Freeburg** Jason Goad Robert Herman Robert Hester Dale Hussung Jason Isaacs

Jeffrey Kleinbauer Derek Kolacinski Jeremiah Lafountain Rose Larry Julia Lewis Lauren Love Drew Lucas Melissa Marchand Michael Murphy Samuel Peebles Gabriel Perez-Figuerola **Rachael Robinson** Kendal Schroeder Lt. Cmdr Michael Schwartz Honor Six Matthew Strickland Cody Subject Jeffrey Tweedie Everett Tyndall Alfred Vasta Jason Williams Michael Wilson

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

PEOPLE of PANAMA CITY



Loc Pham is a systems engineer responsible for managing and monitoring the integration of systems to ensure the highest levels of availability for Fleet use through his work at NSWC Panama City Division. He is originally from Vietnam and travelled to the United States as a refugee over 20 years ago. Pham has a history with the Warfare Centers having previously worked at NSWC Crane Division for 10 years and

has served at NSWC Panama City Division for the past seven years. "I like that I have the opportunity to work with a great team of engineers and scientists to provide the Fleet with service, the most advanced technology, and tools to conduct missions," said Pham. In his free time, Pham enjoys playing tennis and fishing as he shares, "both are a great way to exercise and relieve stress."



Loc Pham



NSWC PCD OPERATIONS SECURITY (OPSEC) BULLETIN

XBOX LIVE 🕗 snapchat

PlayStation Network



Instagram YOU TUDE



June 2020

ONLINE POSTING SAFETY CHECKLIST

Linked in

As a DoD employee or contractor, it is your responsibility to protect your identity and your agency's mission. The information you provide online may give the adversary insight that could undermine your obligations and potentially cost lives.

THINK. PROTECT. OPSEC.

Do my online posts preserve anonymity and make gathering intelligence on me tougher? Do my pictures link me to my job (is my CAC displayed, a DoD or contractor t-shirt, etc.)? Could an outside party gain information about personal or financial struggles that could be used as leverage against me? Could my social media activity be collected by an adversary for future use to leverage against me?

How often am I "checking in" and sharing mine and my families location?



SAFETY

Prepared by: Patrick Beacom, NSWC PCD Safety Specialist

HEAT ILLNESS CAN BE FATAL

Working in an excessively hot environment can be difficult – and even fatal. Heat can create a number of safety problems and illnesses, including heat cramps, heat exhaustion and heat stroke, which can be fatal. These illnesses caused by too much heat are called hyperthermia.

Heat can also cause you to become inattentive, short-tempered, dizzy, and slow. All of these conditions can cause you to work in an unsafe manner. Hot conditions can be caused by the weather, by the work environment, or by a combination of the two factors. When the atmosphere is humid, the effects of a person's exposure to heat is compounded.

It is important you remain alert to the signs of heat illness in yourself and in your co-workers. If signs of heat illness develop, move the victim to a cool place and cool them off as quickly as possible. If you have any reason to suspect that the person may be suffering from heat stroke, call for medical help immediately.

 ∇

TIPS FOR PREVENTING HEAT ILLNESS

T

Dress lightly, in layers so that you can subtract or add clothings as the temperature changes. Be sure to shade the skin against the sun.

If the weather suddenly turns hot or you are moved



to a hot environment, take it easy until you are accustomed to the temperature. **Drink water often to avoid dehydration.** The body loses water through perspiration, so you need to replenish it frequently. Do not

Get used to working in the heat gradually.

drink alcoholic or caffeinated beverages as they will cause you to lose even more water and salt.



Take frequent rest breaks. Breaks can consist of moving to a cooler area or switching to lighter work for a while.



Get a physician's advice before replacing salt, particularly if your salt intake is restricted for medical reasons. The use of salt tablets is not recommended. Eating lightly salted food before entering the work environment may be a better idea. Also available are special drinks intended to replace the body's fluid and mineral levels.

WARNING SIGNALS OF HEAT ILLNESS

Heat Stroke

Very serious and potentially fatal. The body's heat control mechanism shuts down, perspiration stops, body temperature rises, heart pounds and the skin becomes flushed and hot. This is a medical emergency and must be treated immediately.

Heat Exhaustion

A warning that the body's heat control mechanism has become overtaxed and needs immediate attention. Symptoms include: exhaustion, nausea, dizziness, pale and clammy skin, quick pulse, and low blood pressure. Heat stroke may follow if not treated.

Heat Gramps

Is a signal the body has lost too much salt through sweating and affects muscles which have been used while working. May occur during resting after work.

BLACK FLAG HEAT ALERT

All nonessential physical activity and strenuous exercise is suspended for all personnel.

Essential activities are activities where the disruption would cause undue burden on personnel or resources, be excessively expensive, or significantly reduce readiness. Essential outdoor physical activity will be conducted at a level that is commensurate with personnel acclimatization.



10

Naval Surface Warfare Center Panama City Division 110 Vernon Avenue Panama City, Florida 32407 (850) 230-7400

> Distribution A -Approved for public release