

TNR



VOLUME 2020 ISSUE 1

SECOND FLEET'S GOLDEN OPPORTUNITY TECHNOLOGICAL SUPREMACY TRAINING THE FLEET



COVER 2ND FLEET'S GOLDEN OPPORTUNITY Cmdr. Tara Golden holds a photo of herself as a lieutenant with her father, then Capt. Kenny Golden, Commodore of Commander, Amphibious Squadron 1. The photo is a reminder for her of an unforgettable day at the start of a extraordinary Navy career. — see page 16 (Navy photo by Mass Communication Specialist 1st Class Arthurgwain Marquez)

THIS PAGE THE SECRET WEAPON IN TECHNOLOGICAL SUPREMACY Lt. Cmdr. Bonnie Bauer from the Office of Naval Research Reserve Component watches as Lt. j.g. Alex Balandran from Destroyer Squadron 31 calls out contacts during an ONR demonstration of new and improved training combining software and gaming technology to help naval forces develop strategies for diverse missions and operations. — see page 22 (Navy photo by John Williams)

TNR

LEADERSHIP

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Commander, Navy Reserve Force

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Deputy Commander, Navy Reserve Force
Commander, Navy Reserve Forces Command

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SUBMISSIONS: TNR is always looking for submissions that display the work Navy Reserve Sailors are doing around the force. To submit a photo or story, email us at cnrfc_pao@navy.mil. Instructions and submission criteria will be provided to help guide your entry.

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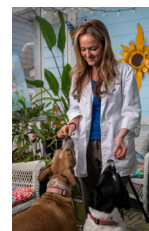
TNR tells the story of the U.S. Navy Reserve through articles, news and photos showcasing the contributions of Navy Reserve Sailors delivering real-world capabilities and expertise in support of the Navy mission.

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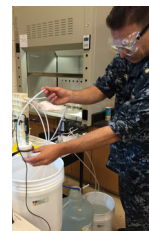
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FROM THE TOP



ACCOMPLISH THE MISSION

This is a unique and trying time for our Force, yet I could not be prouder of our Navy Reserve team. Even in the face of the COVID-19 pandemic affecting every facet of American life, our Reserve Force is continuing to provide critical support to the Navy. This has been done while also managing turmoil in your civilian careers and disruptions in almost every area of life. I am deeply humbled by the honor, courage and commitment of our Navy Reserve team. It is an honor to be your shipmate. Thank you.

With the pandemic entering a critical stage, our agility and speed has been essential. Through the creation of a new Distributed Mobilization process for COVID-19 response efforts we have streamlined how our Reserve forces are brought quickly to the fight.

Within days of the call to action, hundreds of you volunteered to place your lives on hold and roll out to provide medical care, logistics support, security teams and more. In addition to Reserve forces already on the ground in New York and Los Angeles, many of you are involved with or on the way to support efforts delivering needed medical supplies, providing testing samples, and filling critical mission billets, and supporting the ongoing operational needs of the Navy.

To help you stay focused on completing the mission, we have deployed several resources to provide the news, information and support you need. A single information source for all COVID-19 related information is now hosted on the Reserve website at www.MyNRH.navy.mil. We have dedicated a 24/7 Chaplain Hotline available at (757) 322-5650 allowing Reserve members and their families remote access to talk with a Navy Chaplain. The Navy's new MyNavy Family app provides easy access to many great resource you can use to find help and support. Download the app at www.applocker.navy.mil. Our Navy Reserve social media platforms are another great way to stay current with the latest information from across the force.

Your health and safety — and that of your families — are our number one priority. Please continue to take the precautions prescribed by policy and the Center for Disease Control (CDC).

Your normal drill-weekend cycle has been upended, but we are committed to support your efforts to maintain readiness including maximizing telework flexibility to allow you to focus on mission-essential activities.

No matter what the challenges, you continue to demonstrate that you will accomplish the mission. The stories in this issue, written before any of the pandemic was even heard of, are proof of that. From our forward deployed Reservists around the world, to Reserve support to Command Strike Group 4 Reserve, U.S. Second Fleet and the Office of Naval Research. Our team is making a lasting impact throughout the Navy and globally showing the breadth and depth of the skills and experience we bring to the fight in this new era of Great Power Competition.

Continue to look out for your shipmates and keep in contact through your chain of command. We've been at this for over 105 years. We will overcome and recover. You have demonstrated, once again, that you can and will answer the nation's call, proving we are the Navy Reserve the Nation needs. With great respect.



Luke M. McCollum

Vice Adm. Luke M. McCollum
Chief of Navy Reserve



LEANING IN FOR A CULTURE OF EXCELLENCE

In February, U.S. Fleet Forces, U.S. Pacific Fleet and U.S. Naval Forces Europe/Africa commanders and fleet master chiefs published "Signature Behaviors of the 21st Century Sailor (2.0)," answering our CNO's call to action as outlined in NAVADMIN 254/19. This is a vital instrument for all Sailors across our Navy team to carefully examine. It is fundamental to how we lean in and go after curbing destructive behaviors and promoting the types of actions proven to build and sustain effective teams who are tough and ready to do the harsh and demanding missions our nation calls upon us to do.

The call to action in espousing signature behaviors centers on one core theme:

I AM A SAILOR. WE ARE A TEAM. THIS IS OUR NAVY.

The order of terms is very intentional. To be a part of a team, an individual must agree to be dedicated to the identity of the organization (SAILOR). A collection of Sailors (WE) must have mutual respect and accountability to each other. The team must be committed to the

organizational (OUR NAVY) core values, mission and vision.

Without a doubt, our Navy and Marine Corps team is extraordinarily complex, and we have many thousands of missions contributing to the overall success of the Navy. One constant across all of these missions is the necessity for each unit and command's high performing teams to have a cohesive bond. And that leaders continually develop and hone

their teams. Our teams will need to perform periodic self-assessments to ensure toughness, trust and connectedness remain high.

Leaders at any level in the organization should not assume this is easy stuff. It requires hard work, an in-depth study of team dynamics, focused energy, honest and constructive feedback, and often a set of outside eyes to evaluate effectiveness.

I charge every Sailor in our Navy Reserve to download and read this important document. I encourage you to consider it required reading and a topic for your next professional development. Whether you are the team leader or a leader within the team, assess your own signature behaviors in action.

The stakes are real! All teams, units and commands across our Navy achieving and sustaining peak performance is a decisive edge for our nation in this era of Great Power Competition.



Chris Kotz

Master Chief Petty Officer Chris Kotz
Navy Reserve Force Master Chief

Download Signature Behaviors at
www.public.navy.mil/usff/Documents/signature-behaviors-f.pdf



BOTTOM LINE UP FRONT

BATTLING COVID-19

As this issue of TNR goes to press, the Navy Reserve has over 1,200 citizen-Sailors engaged in COVID-19 pandemic relief efforts. While the virus continues to affect nearly every aspect of normal life, the volunteer response from Reserve Sailors has been overwhelming as individuals look for anyway to contribute.

Currently, more than 200 Reservists are supporting the medical missions aboard the Military Sealift Command hospital ships USNS Mercy (T-AH 19) and USNS Comfort (T-AH 20). Hundreds of medical professionals have been deployed to New York and many more are heading out the door to assist with Expeditionary Medical Facilities, increased security force demands, logistical support and more. The Navy Reserve aviation force has been responding to numerous short-notice missions. With only a few hours' notice, Commander, Naval Air Force Reserve delivered COVID-19 test kits and medical personnel to USS Theodore Roosevelt (CVN 71), began flying around the clock support flights with test samples and executed same day repositioning of U.S. Maritime, patrol and Reconnaissance assets.

The significant increase in the demand for Reserve expertise is being met with overwhelming support, yet all Reserve Sailors are called to action in the three priorities set by Chief of Naval Operations Adm. Mike Gilday.

"I have three priorities for us right now," said Gilday. "First, our health and safety. Second, ongoing fleet operations and our support to the coronavirus effort. Third, continuing to generate the enormous amount of support required to keep #1 and #2 on track. I know much of

that effort is behind the scenes and out of the limelight – but every bit of it is critical. We must ensure the health of the force. And we must be laser-focused on the Fleet – from manning to maintenance, and from training to warfighting. Operational readiness is our job ... and every one of us has a role. Nobody sits on the bench."

No matter where you are as a Reservist, whether teleworking from home or deployed overseas, the best guidance the Navy Reserve can offer for Sailor's well-being is to remain calm, listen to unit leadership and stay up-to-date on the COVID-19 situation as it develops. Guidance, news and information on the Navy Reserve COVID-19 response efforts as well as the latest details on drill weekends, orders, administrative requirements and answers to your questions are available and continually updated online on the My Navy Reserve Homeport at <https://www.mynrh.navy.mil>.

Several updates to policy and administrative procedures have been modified to best continue the Reserve mission during COVID-19. ALNAVRESFOR 008/20 was released to communicate mitigation procedures. ALNAVRESFOR 009/20 announced updated telework policy to allow the maximum ability for all Reserve Sailors to continue to work during isolation at home. NAVADMIN 099/20 provides details on a new distributed mobilization process for Selected Reserve (SELRES) Sailors called to support.

Operational readiness is our job ... and every one of us has a role. Nobody sits on the bench.

Commander, Navy Reserve Forces Command Rear Adm. John Schommer recognizes the halting of drill weekends, travel and the new force health protection measures are impacting Reserve life, but says Reserve leadership is working hard to ensure individual Sailor and mission needs are met.

"Our Commander, Vice Adm. Luke McCollum has stressed to our leadership we must ensure maximum flexibility for supporting our Reservists, including taking a hard look at teleworking, ensuring a 'good year,' and virtual training," Schommer said.



A PATIENT IS TRANSPORTED ACROSS THE BROW TO BE ADMITTED ABOARD THE HOSPITAL SHIP USNS MERCY (T-AH 19). (NAVY PHOTO BY MASS COMMUNICATION SPECIALIST 2ND CLASS RYAN M. BREEDEN)

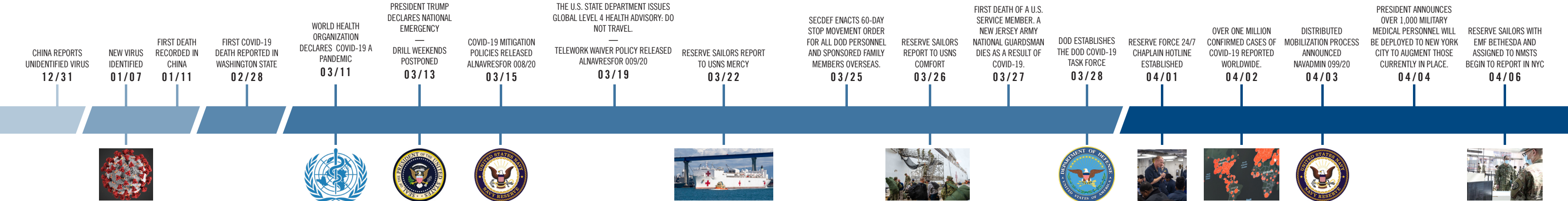
What he has seen so far from the Reserve team has been very positive. "I cannot be more proud of our Reservists," he said. "Our Reserve health care professionals are on the front lines right now, and it has only been possible because of their flexibility, agility, and dedication to selfless service. We have Reservists across our country that have volunteered to meet this urgent need. Many of them were 'out the door' in less than 48 hours from the moment they were notified."

From the Comfort and Mercy, to Expeditionary Medical Facilities and last-minute flights to deliver needed medical supplies at sea, the Reserve team is making a difference and continuing the mission. "We have thousands of Sailors on mission, above, under, and on the seas as well as here at home on the front lines of the coronavirus crisis," said Gilday. "We're operating far forward on 90 ships, including three aircraft carriers and two big deck amphibious ships. Navy Cyber teams are defending our networks. Seabees are converting commercial buildings into medical facilities across six states. Three thousand Navy

doctors, nurses and corpsmen, including hundreds of Reservists, are caring for our fellow Americans on USNS MERCY, COMFORT, in New York City's Javits Center, and in civilian hospitals. Hundreds more deployed to treat the sick in Dallas and New Orleans."

Gilday says the entire Navy team must pull together during this time and that the new COVID-19 environment is demanding that we learn, adapt and improve on the fly. As you're reading this, the current situation might look completely different. To continue to stay ready to fight, remember to communicate with your NOSC and unit and stay up-to-date through the following resources.

Centers for Disease Control — www.cdc.gov
DoD — www.defense.gov/Explore/Spotlight/Coronavirus
Navy — navylive.dodlive.mil
Navy Reserve — www.mynrh.navy.mil



AROUND THE FORCE

A SNAPSHOT OF NEWS AND EVENTS FROM THE NAVY RESERVE FORCE DELIVERING STRATEGIC DEPTH AND OPERATIONAL CAPABILITY AROUND THE WORLD.



ZIPSERVE & AT/ADT EMUSTER

Two major improvements for Navy Reserve business are live. ZIPSERVE is a new one-stop shop for volunteer Reserve assignments. Sailors can view and apply for mobilizations, Active Duty Operational Support (ADOS), Active Duty for Special Work (ADSW), Annual Training (AT), Active Duty for Training (ADT) and Definite Recall. The application allows Sailors to apply for multiple opportunities, view details, and monitor the status of applications. ZIPSERVE is available on the Navy Reserve Homeport at www.mynrh.navy.mil and through the R2S mobile application.

AT/ADT EMUSTER is a new automated orders process for Reserve Sailors on AT and ADT. The new capability replaces the manual workflow and paper orders signing process by managing mustering and pay processing through the Navy Standard Information Personnel System (NSIPS). The system is similar to the active-duty processing of incoming and outgoing personnel, immediately triggering the appropriate pay for Reservists upon checking-in with their supported command.



BRASHEAR JR.

COLUMBIA, S.C. — U.S. Army Chief Warrant Officer 4 Phillip Brashear, former Navy Reservist and son of Retired Navy Master Chief Carl Brashear, poses with the Navy Operational Support Center Columbia's chief's mess after speaking with the NOSC on the life, struggles and career of his father. Carl Brashear was the first African-American Navy Diver and lost his leg while saving four men during a bomb recovery incident. Later, Brashear returned to serve as the first amputee diver and eventually the Navy's first African-American Master Diver. (Navy photo by Damage Controlman 1st Class Shawn Van Natta)

RETURNING WARRIOR

AUSTIN, Tx. — Chief Culinary Specialist Araceli Segar, assigned to Navy Operational Support Center Houston, listens as a facilitator speaks during a Returning Warrior Workshop. Segar is a Reserve Sailor who recently returned from a one-year mobilization in Bahrain. RWW's are a unique opportunity providing resources, encouragement and reintegration support for Sailors returning home from deployment. (Navy Photo by Mass Communication Specialist 1st Class Lawrence Davis)



MPFEX 20'S DARK HORSE SAILORS

PHOTO AND STORY BY MASS COMMUNICATION SPECIALIST 3RD CLASS BRYIN VENEGAS

“All lines on deck!” yelled the deck supervisor to the piloting craftmaster, barking out the order to indicate that it was time to get underway. After clearing the jetties, the improved Navy lighterage system (INLS) craft — also known as the “power module” — was met by choppy seas. The handling of the craft proved to be a simple task for the craftmaster, who steadily guided the power module through the waves, and approached the cargo ship.

The USNS 1LT Baldomero Lopez (T-AK 3010) was anchored along the St. John's River in Mayport, Florida. Amphibious Construction Battalion 2 (ACB 2) Sailors aboard the power module were scheduled to receive a load of containers from the Lopez. Between bouncing off fenders keeping the craft from getting too close to the side of the ship, and pausing for waves splashing up along her starboard side, mooring to the Lopez was proving to be more difficult than anticipated.

Nonetheless, the deck crew handled the task with precision, executing orders as they were given. A distinctive trait about the ACB 2 crew was that half of them, including the craftmaster, Chief Boatswain's Mate Clifford Junkins, were Navy Reservists.

The task was part of the Maritime Prepositioning Force Exercise (MPFEX) 20, held in February, 2020. The exercise employed over 100 Reserve Sailors — nearly 33% of all Sailors participating in MPFEX.

Initiatives are underway throughout the Navy to improve active duty manning levels, and Reserve integration, like at ACB 2, provides critical support to active commands during operations and exercises.

“Junkins is not the only Reservist at ACB 2 who provides a crucial skill ... vital to the command's mission capability,” said Capt. Heather J. Walton, ACB 2 commanding officer. “In fact, the vast majority of my

“The vast majority of my Sailors are Reservists, who are an integrated part of our command and are critical to our ability to meet our mission requirements.”

Sailors are Reservists, who are an integrated part of our command and are critical to our ability to meet our mission requirements.”

ACB 2 relies on the Reserve team to ensure the command remains able to operate lighterage, build and operate tent camps, manage a 3000-foot elevated causeway pier, and conduct maintenance.

“ACB 2 currently has 480 billets filled with Reservists spending approximately 12 to 14 days at the command, at any given time,” says Chief Engineman Stephen Payton, ACB 2 Reserve Integration Cell Office leading chief petty officer. “Sailors also provide critical rear echelon support, holding down day-to-day operations at the battalion while others are down range.”

At ACB 2, the number of Reserve billets outnumber the active duty billets and provide continuity for the command. According to Payton, Reserve Sailors have proven invaluable to the command as they have the

flexibility to stay at the command longer than active component Sailors. The typical billet assignment for Reserve Sailors attached to ACB 2 is three years, but many have stayed longer. Payton says the longer tours pay great dividends in keeping a fully qualified and highly trained contingent who at times can be the heartbeat of an operation.

After the crane from the Lopez lowered the final container, Junkins gave the orders to “take in all lines” and from there steered the power module to the beach at Marine Corps Support Facility Blount Island. On the way, many civilian boats slowed down as the craft came into sight and greeted the crew who were standing watch on the forward and aft end of the craft. The day's mission was over, with a high likelihood of continued success throughout the week.



1



2

THE WATCH

1) KNOXVILLE, Tenn. — U.S. Navy Reservists rehearse for the retirement ceremony of Senior Chief Equipment Operator Kerry Templin at Navy Operational Support Center, Knoxville. (Navy photo by Mass Communication Specialist 3rd Class Peter Ticich)

MIO/VBSS

2) SAN DIEGO — U.S. Coast Guardsmen from Maritime Safety Response Team (MSRT) West are hoisted into an MH-60S Sea Hawk helicopter assigned to the “Firehawks” of Reserve Helicopter Sea Combat Squadron (HSC) 85 while conducting helicopter visit, board, search and seizure training operations off the coast of San Diego. (Navy photo by Mass Communication Specialist 2nd Class Rawad Madanat)



ON THE HILL

3) WASHINGTON — Vice Adm. Luke McCollum, Chief of Navy Reserve, is shown on a recording monitor during a live-broadcast of a congressional hearing at the U.S. Capitol. The hearing allowed McCollum and other Reserve leaders to present service needs, answer questions, and discuss budget requirements for the upcoming fiscal year. (Navy photo by Chief Mass Communication Specialist Stephen Hickok)

MSC

4) BREMERHAVEN, Germany — Deputy Operations Officer for Military Sealift Command Europe and Africa, Fred Woody, provides training to Navy Reserve Sailors from Expeditionary Port Unit (EPU) 105 during exercise Defender Europe 20. EPU's are mobile units that can be deployed worldwide in response to events, such as a humanitarian crisis or other military mission. (Navy photo by Travis Weger)



WE BUILD WE FIGHT

5) CAMP SHELBY, Miss. — Construction Mechanic 2nd Class Jeremy Dunn, a Reserve Seabee assigned to Naval Mobile Construction Battalion 14, operates a forklift to offload materials during a Field Training Exercise at Camp Shelby, Mississippi. (Navy photo by Mass Communication Specialist 1st Class Jessica Dupree)

6) CAMP RIPLEY, Mn. — Chief Equipment Operator Karl Schmidt and Construction Mechanic 2nd Class Gary Sosa, Reserve Seabees assigned to Naval Mobile Construction Battalion 25 construct block dug-outs for a baseball field at Camp Ripley, Minnesota. (Navy photo by Lt. j.g. Sam Stoffels)

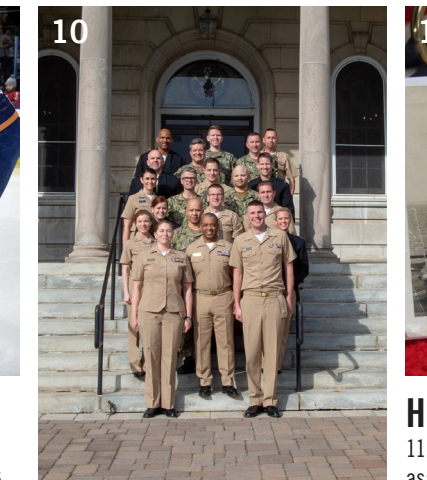


VFC-12

7) VIRGINIA BEACH, Va. — Female Reserve and Full-Time Support Sailors from Fighter Squadron Composite Twelve (VFC-12) participate in a group photo on the Naval Air Station Oceana flight line March 18, in honor of Women's History Month. (Navy photo by Lt. Cmdr. Marie Tillery)

ADMIRAL'S GAME

8) MILWAUKEE, Wi. — Retired Vice Adm. Dirk Debbink, former Chief of Navy Reserve, drops the ceremonial first puck at the Milwaukee Admirals and the Rockford Ice Hogs Navy Night game hosted by the Admirals and partnered with Navy Recruiting District Chicago at Panther Arena in Milwaukee, Wisconsin. (Navy photo by Mass Communication Specialist 1st Class John Sorensen)



OUTREACH

9, 10) HAMPTON, Va. — U.S. Army veteran Robert Glass speaks with Lt. Cmdr. Seamus Nelson, from Reserve Navy Public Affairs Support Element East, during an outreach event at the Hampton Veterans Affairs Medical Center. (Navy photo by Mass Communication Specialist 2nd Class Horacio G. Idrogo Jr.)

Sailors assigned to Reserve Navy Public Affairs Support Element East stand outside of the Hampton Veterans Affairs Medical Center after a community outreach visit with staff and patients at the center. The Hampton VAMC provides comprehensive primary and specialty care in medicine, surgery and psychiatry. (Courtesy photo)



HERITAGE

11, 12) PAINTSVILLE, Ky. — Sailors assigned to Navy Operational Support Center Eleanor honored World War II veteran Radarman 2nd Class Worth Goble in his Kentucky home town by attending his 95th Birthday Celebration. Goble's family planned the birthday surprise for their “Pop's” 95th by inviting local Sailors to attend the festivities.

Goble was a plankowner of USS Hornet (CV 19) and was assigned to the First Carrier Task Force in the Pacific during World War II. NOSC Eleanor Sailors listened to several of Goble's stories about missions and campaigns he participated in across the Pacific conflict. (Photos by Mass Communications Specialist 2nd Class Paul Cox)

CJTF HOA CAMP LEMONNIER, DJIBOUTI

PHOTOS AND PROFILES BY MASS COMMUNICATION 2ND CLASS MARQUIS WHITEHEAD

Located in an austere environment, Camp Lemonnier is a U.S. Navy base located in the Horn of Africa and is the only enduring U.S. military base on the continent of Africa. Over 60% of CJTF HOA personnel are Reserve service members. Many Reserve Sailors help run the base services at Camp Lemonnier, Djibouti. Camp Lemonnier provides, operates and sustains superior service in support of combat readiness and the security of ships, aircraft, detachments and personnel for regional and combatant command requirements, enabling operations and providing stability in the Horn of Africa while fostering positive U.S.-African Nations relations.

Hospital Corpsman 2nd Class Kemonte McClinton

Hospital Corpsman specialize in providing medical care and treatment to service members to ensure they are battle ready when the mission calls. McClinton heads the team known as Preventative Medicine (PrevMed), ensuring all measures are taken to keep service members safe from illness through food, insects and poisons.

As leading petty officer of the Emergency Medical Facility (EMF), McClinton works to ensure base food, water and anti-venom supplies are clean and up-to-date.

“PrevMed not only oversees all the inspections of the facilities on base, but also any U.S. Navy and Military Sealift Command vessels that pull into port,” said McClinton.

In addition to the PrevMed tasks, all hospital corpsman are assigned watches to ensure service members have access to medical care 24/7. McClinton is in charge of making sure his team stays sharp in every field of medicine they are assigned to.

“Between watches in EMF and inspections throughout the base, we still have weekly trainings,” said McClinton. “As a supervisor, it is equally important that my team has down time scheduled to process all the information given.”

Always looking for ways to better himself as a civilian, McClinton is a full-time student and credits his mentors in the Navy Reserve for showing him what it takes to be a leader.

“My senior chief and a few of my peers have shown me how to work with different personalities on a regular basis,” said McClinton. “In school you only deal with people for a few months, but when you’re forward-deployed and you see the same people every day for 12 or more hours, you learn a new level of patience.”

Logistics Specialist 2nd Class Louis Carrascoramirez

Procurement, also known as purchasing, is the process of obtaining goods and services at reasonable prices to meet business needs and staying within budget requirements. For Carrascoramirez, serving as a procurement technician for the camp, tracking purchases works right in line with his job back home.

On a daily basis Carrascoramirez tracks supplies to ensure stock numbers and other information are lined up correctly prior to any vendor making a purchase.

Procurement technicians also analyze costs and report on purchasing histories in order to predict necessary timelines for future purchases.



In his civilian position at home in San Diego, Carrascoramirez works as a supervisor for the distribution management office at Marine Corps Air Station Miramar, San Diego.

“I work on both sides of the federal government when it comes to purchasing, and it’s helped me a lot,” he said. “At home I facilitate a budget and decide what needs to be purchased — but when forward deployed, I ensure all the documents are in order prior to purchases.”

Working from both sides has helped Carrascoramirez to understand procurement as a vendor and as a seller.

“Back home, I used to get push back about certain documents not being filed properly, and it’s frustrating when you have a short turnaround for supplies,” said Carrascoramirez. “Now I have a better understanding of the process and will be sure to be a bit more patient and thorough.”

When not analyzing bar codes and budgets, he keeps himself busy in another set of books as he works toward a master’s degree in cyber security to go along with his bachelor’s in criminal justice.

Master-at-Arms 1st Class Lavon Snyder

Since the late 1700s, the Master-at-Arms (MA) rate has been a staple of the United States Navy. Also known as “The Sheriffs of the Sea,” MAs are responsible for law enforcement and force protection.

Snyder serves as department leading petty officer and watch commander at Camp Lemonnier. He is able to pull from his experience in the private sector to help him supervise those who only serve in law enforcement while in their military uniform.

“In many commands that are forward-deployed, MAs’ mission is force protection and perimeter security,” said Snyder. “Here it’s different. We are actually policing the base and that takes skill and experience.”

Snyder’s civilian job is in private security and he has previously served with the Navy Criminal and Investigative Service (NCIS) as a private investigator.

“You can spot who has worked in law enforcement early on,” said Snyder. “We hold each other accountable for training up junior sailors and making our unit that much stronger.”

Snyder leverages a second set of skills besides his experience in law enforcement to assist in handling situations when in uniform.

“I have a bachelor’s in criminal justice management and I have a master’s in theology,” said Snyder. “I’m an associate minister in my church, so it definitely helps knowing how to have patience with people and how to deescalate situations in a peaceful way.”

Logistics Specialist 2nd Class Lauren Quesada

Working in the comptroller department means managing a lot of money and every department needs it to get the mission done. Quesada serves as the lead budget analyst for Camp Lemonnier. Holding a position slated for a 1st class petty officer, Quesada is performing at a level above her paygrade as she handles a wide range of funds ensuring they get to the proper destination and are tracked accordingly.

At home in Phoenix, Arizona, Quesada works as an administrative assistant for the Mayo Clinic. Working with patients and doctors, Quesada certifies that all personnel paperwork throughout her customer’s time in the clinic is accurate and stays up to date.

“Logistics in the U.S. is pretty consistent,” said Quesada. “With certain patients every now and then, there’s an adjustment that needs to be made. Logistics in the Navy is ever-changing. It feels like there are a hundred different things you could be doing on any given day.”

Quesada is working towards a bachelor’s degree in communication which she hopes will enhance her skills in working with large groups. A skill that will help her to continue her success as the lead training petty officer at her unit back home.

“I’ve helped develop a training program with my chief and am eager to watch it grow,” said Quesada. “My degree will help me develop as a leader, especially for the training I give here and back home.”



BUILDING NAVY LETHALITY

Naval Reserve Carrier Strike Group 4 HQ

BY LT. CMDR. BREE GUITERMAN

Last year, in response to the Chief of Naval Operations “Design for Maintaining Maritime Superiority Version 2.0,” the Chief of Navy Reserve released his strategic priorities for the Navy Reserve. A key focus in his guidance is Navy Reserve tasking to build a more lethal warfighting force focused on winning in the context of Great Power Competition.

Naval Reserve Carrier Strike Group Four Headquarters (NR CSG 4 HQ) provides direct support to CSG 4 and builds the warfighting capacity of the fleet.

With four Reserve units totaling over 250 personnel, the Reserve component supports CSG 4’s robust certification and training demands and mission to train and deliver combat ready naval forces to U.S. 2nd Fleet (C2F) and U.S. Fleet Forces capable of conducting full-spectrum integrated maritime, joint and combined operations in support of U.S. national interests.

Through training exercises simulating realistic operational environment with academic, synthetic and live training, NR CSG 4 HQ ensures Atlantic Fleet Carrier Strike Groups, Amphibious Ready Groups, Marine

Expeditionary Units, Independent Deployers and Forward Deployed Naval Forces-Europe (FDFN-E) are ready to deploy and fight.

The Eisenhower Carrier Strike Group (IKECSG) is a recent recipient of the expert training and certification support provided by NR CSG 4 HQ as IKECSG was certified for deployment after successfully completing its Composite Training Unit Exercise (COMPTUEX).

Components of IKECSG are Carrier Strike Group Twelve (CSG 12), the Nimitz-class aircraft carrier USS Dwight D. Eisenhower (CVN 69), Carrier Air Wing 3 (CVW 3), the Ticonderoga-class guided-missile cruisers USS San Jacinto (CG 56), and USS Vella Gulf (CG 72), and ships assigned to Destroyer Squadron 26 (DESRON 26) including the Arleigh Burke class guided missile destroyers USS Stout (DDG 55), USS James E. Williams (DDG 95) and USS Truxton (DDG 103).

Also certified for deployment through the exercise was North Atlantic Treaty Organization (NATO) French Navy frigate FS Normandie (D 651) the Royal Danish Navy frigate

Iver Huitfeldt (F 361), and Royal Canadian Halifax-class frigate HMCS Ville de Quebec (FFH 332).

In total, 21 NR CSG 4 HQ Sailors participated in the IKECSG COMPTUEX in several support capacities. Reserve officers stood watch in the Maritime Operations Center (MOC) as battle watch captains and assistant battle watch captains. Acting as exercise control (EXCON) for participants, NR CSG 4 HQ Reservists were placed in critical roles responsible for successful execution of all scheduled events. In addition, Reserve intelligence specialists provided analytical support as requested for information managers, imagery analysts, and as mentors and assessors for visual information production.

“The CSG 4 active component relies heavily on us to fulfill critical maritime operations and assessment roles to prepare these warfighters to deploy into our theaters of conflict and win,” said NR CSG-4 HQ Commander Capt. David Bowen. “My team is fully integrated into their command and training structure and has the ability to respond

quickly with highly qualified Sailors to lead and augment underway training events.

That’s the way our CSG 4 boss wants it, and we bring that training and surge capability to the table,” he said. “Many of our officers and enlisted are seasoned combat veterans, either from previous active duty time or Reserve mobilizations. The experience and diversity of skills they leverage supporting CSG 4 is world class.”

Another primary mode of support to active duty is afloat in the form of Maritime Interdiction Operations (MIO) positions such as Officers In Charge (OIC), MIO assessors and safety observers.

During IKECSG COMPTUEX, the unit assumed non-traditional roles as opposing force personnel aboard several Training Support Vessels (TSV). Filling the role of OIC aboard each TSV, Reserve Sailors led assessments of active duty boarding teams and the training of future Reserve OICs. The TSVs played multiple roles during the event such as posing as merchant vessels, dropping simulated mine targets, and role-playing as opposing forces in piracy training scenarios.

One of the first events during COMPTUEX involved MIO training with Spanish Navy Alvaro de Bazan-class frigate ESPS Mendez Nunez (F 104) as they conducted boarding



SAILORS FROM USS DWIGHT D. EISENHOWER (CVN 69) CONDUCT FLIGHT OPERATIONS DURING A COMPOSITE TRAINING UNIT EXERCISE (COMPTUEX). (NAVY PHOTO BY MASS COMMUNICATION SPECIALIST 3RD CLASS JAMES VEAL)

operations aboard one of the Reserve commanded TSVs, USNS Prevail (TSV 1). The Nunez boarding crew consisted of 16 Sailors on two rigid-hull inflatable boats (RHIB).

“They were precise and professional, they knew what they were doing and it showed,” said Cmdr. Collin Tatusko, a Reservist and Prevail MIO team lead. “It was great seeing the subtle differences of how NATO conducts their operations.”

Events like COMPTUEX allow CSG 4 to flex its components — combining advanced surface, air and systems assets to create and sustain operational capability before deployment.

Ashore, NR CSG 4 HQ Reservists served as Range Safety Officers (RSO) at Marine Corps Base Camp Lejeune, North Carolina, and supervised the launch and recovery of unmanned aerial vehicles from beach ranges. The events simulated some of the complex situations IKECSG could encounter while deployed.

“The most interesting part of conducting RSO operations is getting to see the launch and recovery process of the drones,” said NR CSG 4 HQ Lt. James Wyatt. “It is an exciting experience to see the engine being brought up to full throttle as the drone is catapulted into the air.”

Over several weeks, every operational aspect of the strike group was tested. Events covering surface operations, maritime security operations, strike operations, subject matter expert and professional exchanges, maritime patrol and reconnaissance operations, and anti-submarine warfare operations were deployed to stress and flex the capabilities of IKECSG.

“The whole experience was very rewarding,” said Reserve Lt. Cmdr. Gary Reed, who helped assess the exercise aboard TSV 1. “I enjoyed the opportunity to work with some of our allies.”

To maintain the high level of skill and knowledge NR CSG 4 HQ Sailors are expected to deliver, every officer and senior enlisted assigned to the Reserve unit is expected to strive for their MIO OIC qualification within their first year of reporting onboard. Regardless of designator or rating, each assigned Reserve Sailor is required to continuously train toward a complete understanding of every facet of support they could be called upon to provide to CSG 4.

During monthly drill weekends, the command’s Reserve Sailors

can be found in classroom study or aboard one of the TSVs working on qualifications. After IKECSG COMPTUEX concluded, the unit was back at training pier-side on Prevail. With the exercise fresh on their minds, they compiled lessons learned and instructed newly reporting personnel on their recent experiences.

“Getting to see the problems and successes the boarding teams faced, I was able to translate what worked for me into best practices to bring back to the unit,” said Reserve Lt. Matthew Nichols, who served as MIO OIC aboard an off-shore supply ship during COMPTUEX. “Ensuring we’re ready and have people capable of completing the job is essential. Training is the most important part of that process. When not at sea, we try to maximize hands-on ship training whenever possible.”

Capt. George Fleck, a civilian mariner aboard Prevail says the Reserve presence frees up the CSG 4 active component to focus on assessment and mentorship. “It’s rewarding for me to see these young people on my ship,” he said. “I enjoy watching anxieties and trepidations turn into confidence and self-assurance as they qualify as MIO OIC. The smile on their face when they put down the radio after an exercise and know they have done well is priceless.”

The Chief of Naval Operations’ guidance lays out four Lines of Effort — Strengthen Naval Power at and from the Sea; Achieve High-Velocity Outcomes; Strengthen Our Navy Team for the Future; and Expand and Strengthen our Network of Partners. Each LOE is designed to accelerate the Navy’s progress.

One unit bringing Reserve expertise and support to each LOE is NR CSG 4 HQ. From over 2,500 units and commands making up the operational capacity of the Navy Reserve, CSG 4 Reserve Sailors are a prime example of how the Reserve team is delivering a more lethal warfighting force focused on winning in the context of Great Power Competition. ⚡

Many of our officers and enlisted are seasoned combat veterans ... The experience and diversity of skills they leverage supporting CSG 4 is world class.



SECOND FLEET'S GOLDEN OPPORTUNITY

BY CHIEF MASS COMMUNICATION SPECIALIST STEPHEN HICKOK

Navy Lt. Tara Golden flipped through her landing checklist while flying in an SH-60F Sea Hawk helicopter across the Eastern Mediterranean during Operation Iraqi Freedom. As the flight deck of her destination, the amphibious transport dock ship USS Cleveland (LPD 7), came into view, she could just make out the familiar frame of her father.

The flight was a standard training exercise for the Helicopter Antisubmarine Squadron (HS) 7 Dusty Dogs, assigned to the Nimitz-class aircraft carrier USS Harry S. Truman (CVN 75). They were invited by Golden's dad, Capt. Kenny Golden, Commodore of Commander, Amphibious Squadron (COMPHIBRON) 1, to practice Deck Landing Qualifications (DLQs) — landing and taking off training from a ship at sea. The invitation was standard, except for one caveat: "Be sure to bring my daughter along with you."

Once safely aboard the ship, Golden saluted her dad, handed him flight gear and a helmet and traded places. Her pilot had previously served as a junior officer under Capt. Golden and was now her squadron commander. After completing several DLQs, Golden and the rest of the HS 7 crew joined her father for lunch in his flag mess. It was a rare opportunity for a family reunion at sea during a major military operation. This moment would solidify Golden's desire to serve her country.

Fast forward 15 years. Cmdr. Tara Golden, now elevated to a senior leadership position in the Navy Reserve. Her career has shifted from active-duty helicopter missions tohas seen to becoming a commanding officer of a Navy Reserve unit. Transitioning from active-duty, the Reserve enabled her to continue her military service while pursuing a lifelong passion for animals and becoming a certified veterinarian.

Busy with her civilian career as a veterinarian, caring for her own rescue animals, and balancing the demands of being a unit CO, Golden was surprised when early last year she received a phone call from Vice Adm. Andrew Lewis, commander of the newly stood-up U.S. Second Fleet.

Golden gained experience during her time on active-duty developing innovative training exercises to increase air wing readiness capabilities. Now, Lewis had a special assignment for Golden to use her thinking outside the box training approach to help make Second Fleet fully operational.

Her story is not unique for a Reserve Sailor. Each member of the Navy Reserve expertly balances dual careers and brings with them a wealth of expertise from unique civilian and military experiences. However, Golden exemplifies the growing demand for synergetic active and Reserve teams in response to today's new era of Great Power Competition.

(NAVY PHOTO BY MASS COMMUNICATION SPECIALIST 1ST CLASS ARTHURGWAIN MARQUEZ)

Second Fleet is big and it's special to be at the ground-breaking of something new. It's just like being an entrepreneur and opening a new business, I wanted to be a part of that.

Second Fleet's creation in late 2018 was in response to new challenges in the fight to maintain global security and a need to command and control forces in the Atlantic, North Atlantic and Arctic regions. Beginning a new fleet was a massive undertaking and the Navy Reserve would play a crucial role.

"The United States' military focus has shifted from violent extremist counter-terrorism to Great Power Competition against motivated, capable, well-funded adversaries," said Second Fleet Deputy Commander Rear Adm. John Mustin, the first Reserve member of the newly reinstated fleet. "Russia has captured our attention with Ukraine, and provocative maritime patrols along our Eastern Seaboard. Further, the security environment within the North Atlantic and Arctic regions has rapidly evolved as rising temperatures open additional sea routes for passage, and nations jockey for access to sea-based natural resources."

As they worked to establish the structure of Second Fleet, Lewis and Mustin realized they were being presented with an opportunity for something new — a seamless integration of an active and Reserve warfighting team.

"We'll be standing watch beside and integrated into the active-duty watchbill," he said. "Some members will be Reserve and some will be active-duty — and no one will ever know the difference."

Mustin moved on from Second Fleet after a promotion to two-star admiral, but his vision has become a reality. On Dec. 31, 2019, Second Fleet reached Full Operational Capability, or FOC, a status signifying the fleet has sufficient capacity to sustain command and control over assigned forces. This achievement was accomplished in large measure through Reserve support.

Golden decided it was worth it to put her civilian career on hold to become a plank-owner in Second Fleet. She accepted Lewis's offer and took on the position of assistant chief of staff for training and exercises.

"Lewis's mission to establish Second Fleet is big and it's special to be at the ground-breaking of something new," Golden said. "It's just like being an entrepreneur and opening a new business, I wanted to be a part of that. He's a really smart and focused leader and I was looking forward to another opportunity to work with him."

Since World War II, the mainstay of operational fleet readiness training has centered on fleet battle problems — annual exercises pitting fleet against fleet to



THE ARLEIGH-BURKE CLASS GUIDED-MISSILE DESTROYER USS JASON DUNHAM (DDG 109) HITS HEAVY SEAS WHILE TRANSITING THE ATLANTIC OCEAN WHILE CONDUCTING OPERATIONS IN THE U.S. SECOND FLEET AREA OF OPERATIONS. (NAVY PHOTO BY MASS COMMUNICATION SPECIALIST 2ND CLASS JONATHAN CLAY)

We may think innovation is nice to have or that it's someone else's job. No, innovation needs to be in the hearts and minds of every single Sailor, on staff or on ships.

test combat strategies and capabilities. In her new assignment, Golden would be involved with designing innovative training exercises in line with modern multi-domain operations — a joint warfighting concept bringing to bear all available capabilities during a conflict.

“We’re using exercises now where failure is authorized in order to test newer concepts and capabilities,” Golden said. “We ask what kind of big objectives we are trying to get after to support distributed maritime operations. Then we come up with hypotheses and test them in the fleet. After we come back, we collect the assessments and lessons learned with the hope that they will evolve into new and improved processes in training.”

Another aspect of Golden’s role, is communicating with multiple commands, fleets and joint forces to coordinate exercises, certifications and qualifications for ships under Second Fleet’s management. Before achieving FOC, it was a daunting task for the fledgling fleet as the staff was a shell of their future manning goals. To accomplish the mission, she leaned on the Reserve force to fill critical billets.

“Reservists have been instrumental because we have not only filled vacant billets for Second Fleet that active duty would normally fill, but we also bring knowledge of how additional Reserve support can help during our operations and exercises,” Golden said.

Reservists like Lt. Matthew Eshnaur were brought on orders to help plan, execute and evaluate Exercise Baltic Operations (BALTOPS) 2019, the fleet’s first major exercise. BALTOPS would be Lewis’s litmus test to see if Second Fleet was ready to certify FOC.

“I was a staff planner while on active-duty, so I knew how to plan war games and exercises,” said Eshnaur. “I was able to use that knowledge along with our active-duty planners to bring Second Fleet up to an operational staff level.”

Second Fleet’s director of fleet management Capt. Chris Slattery says the Navy Reserve unequivocally played a key role in the stand up.

“The talent of the Reserve officers and enlisted filling key roles in the intelligence, plans and fleet training department accelerated the staff attaining Initial Operational Capability, executing its inaugural operational employment during BALTOPS 2019, and finally leading up to reaching FOC — only 16 months after the very first Sailor reported to the staff,” Slattery said.

The Chief of Navy Operations “FRAGO 01/2019: A Design For Maintaining Maritime Superiority,” states that mission one for every Sailor — active and Reserve, uniformed and civilian — is the operational readiness of today’s Navy. The CNO’s marching orders read like they could have been taken straight out of Golden’s Second Fleet playbook — an absolute focus on becoming an integrated multi-domain capability for the Navy in order to fight and win at sea.

Golden is passionate about the Navy Reserve and sees the new Second Fleet model as a rallying cry for Reservists to get excited about moving the Navy forward, not only with the usual training, certifications and mobilization readiness, but being prepared to command and control the fleet at any level.

“As a Reservist, working for a numbered fleet is going to keep you busy,” she said. “You will be at the operational and tactical level of war involved in Great Power Competition.”

Innovation also needs to be forefront for every Reservist, Golden says. “Many times when we’re in the nuts and bolts of working through exercises, trainings, and certifications, we may think innovation is nice to have or that it’s someone else’s job. No, innovation needs to be in the hearts and minds of every single Sailor, on staff or on ships.”

Her advice doesn’t stop with the Reserve. Golden says the one thing she would tell the active component is to get to know your Reservists. “The chances are, you’ll be able to utilize more than one of the tools they bring to the job,” she said.

With the goal of FOC complete, Golden’s Second Fleet orders are coming to an end. “It’s been extremely rewarding and eye opening for me personally and professionally,” she said. “There were personal goals I had to set for myself and I’ve had to learn to be organized at a different level. It’s also been exciting to work directly for a three-star admiral who has a very exciting and forward-leaning vision and to be a part of that as a Reservist is an honor.”

Golden will promote to captain in April, the same rank her father achieved before retirement. As she looks forward to new responsibilities with a new Reserve assignment, Golden is eager to restart her veterinarian career while continuing a stalwart military legacy. ✂



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- CMDR. TARA GOLDEN

STRATEGIC PLANNING

NORFOLK, VA — STAFF MEMBERS FROM U.S. SECOND FLEET (C2F) AND U.S. 6TH FLEET MEET IN NORFOLK TO DISCUSS BEST PRACTICES FOR MARITIME EFFECTIVENESS. C2F DEVELOPS AND EMPLOYS MARITIME FORCES ACROSS MULTIPLE DOMAINS IN THE ATLANTIC AND ARCTIC IN ORDER TO ENSURE ACCESS, DETER AGGRESSION AND DEFEND U.S., ALLIED AND PARTNER INTERESTS. (U.S. NAVY PHOTO BY MASS COMMUNICATION SPECIALIST 1ST CLASS JASON PASTRICK)

ON WATCH

BALTIC SEA — LT. J.G. MARILU VELORIA OBSERVES AS THE WHIDBEY ISLAND-CLASS AMPHIBIOUS DOCK LANDING SHIP USS FORT MCHENRY (LSD 43) APPROACHES THE GERMAN NAVY TYPE 702 BERLIN-CLASS REPLENISHMENT SHIP FGS BERLIN (A 1411) DURING A REPLENISHMENT-AT-SEA AS PART OF EXERCISE BALTIC OPERATIONS (BALTOPS) 2019. (U.S. NAVY PHOTO BY MASS COMMUNICATION SPECIALIST 2ND CLASS CHRIS ROYS)

LEADERSHIP

PALANGA, LITHUANIA — VICE ADM. ANDREW LEWIS, COMMANDER, U.S. SECOND FLEET, ADDRESSES THE PRESS DURING THE DISTINGUISHED VISITOR DAY OF BALTOPS 2019. (U.S. MARINE CORPS PHOTO BY LANCE CPL. NELLO MIELE)

LETHALITY

BALTIC SEA — AN MH-60R SEA HAWK HELICOPTER ASSIGNED TO THE “SPARTANS” OF HELICOPTER MARITIME STRIKE SQUADRON (HSM) 70 SHOOTS AN AGM-114N HELLFIRE MISSILE DURING BALTOPS 2019. (U.S. NAVY PHOTO BY MASS COMMUNICATION SPECIALIST 1ST CLASS THEODORE GREEN)

JOINT FORCES

BALTIC SEA — THE GUIDED-MISSILE DESTROYER USS GRAVELY (DDG 107), FLAGSHIP FOR STANDING NATO MARITIME GROUP ONE, LEADS 11 NAVAL SHIPS FROM NINE NATIONS IN CLOSE FORMATION DURING BALTOPS 2019. (U.S. NAVY PHOTO BY MASS COMMUNICATION SPECIALIST 2ND CLASS MARK ANDREW HAYS)

INTEROPERABILITY

BALTIC SEA — NORWEGIAN, BELGIAN AND U.S. FORCES COLLABORATE IN AN UNDERWATER DETONATION OF A WORLD WAR II-ERA AIR LAID MINE DURING BALTOPS 2019. (U.S. NAVY PHOTO BY LT. MATTHEW STROUP)

THE SECRET WEAPON IN TECHNOLOGICAL SUPREMACY

The Reserve Office of Naval Research

BY WARREN DUFFIE JR., WRITER AND EDITOR FOR U.S. OFFICE OF NAVAL RESEARCH

From laser weapons to virtual-reality combat training, unmanned autonomous vehicles to artificial intelligence and data science, the Office of Naval Research (ONR) plays a critical role in maintaining U.S. naval readiness.

A vital part of ONR's capabilities is its Reserve Component, (ONR-RC). Its role aligns with the U.S. Navy Reserve's "Ready to Win" strategy, which seeks to provide "strategic depth and deliver relevant operational capability to rapidly increase the agility and lethality of the Total Force."

"The Office of Naval Research Reserve Component is a valuable resource in our mission to swiftly bring groundbreaking technology to Sailors and Marines in the fleet," said Chief of Naval Research Rear Adm. David Hahn. "Reservists provide unique and diverse professional expertise and perspectives to support the science and technology necessary to maintain our warfighting edge."

ONR-RC is comprised of approximately 191 Navy Reservists from 15 units nationwide. Many of these individuals have advanced technical degrees in science and engineering disciplines, as well as deep operational experience in the fleet. Several also hold patents on systems involving launchers for unmanned aerial vehicles, distilling synthetic jet fuel from elements in seawater, and tactical-vectoring equipment used in aircraft navigation.

Such scientific and technical prowess certainly benefits ONR, which invests in cutting-edge research and technology to address Navy and Marine Corps needs. ONR also strives to transition these breakthroughs into acquisition programs — converting ideas into warfighter assets.

Through its commands — ONR headquarters in Arlington, Virginia; ONR Global (its fleet and international arm); and the Naval Research Laboratory (NRL) in Washington, D.C. — a force of more than 38,000 civilians, contractors and military personnel, including Navy Reservists, works to support the Navy and Marine Corps team.

ONR-RC supports ONR in many ways, such as developing concept-of-operations and integration for new and developing technologies, taking part in transition boards and assessments, participating in war gaming and workshops, and serving as military liaisons to allied nations.

According to ONR-RC Director Capt. Robert Mark, the community's purpose is to innovate and accelerate technology deployment by leveraging the Navy Reserve's experience, unique skills, education and training.

"Our nation is in the midst of a great power competition, and it's a matter of when, not if, we're challenged," said Mark. "We are in a winner-take-all environment where second place might as well be last. ONR's Reserve Component is dedicated to supporting ONR in deploying future capability to the fleet."

UNMANNED WARRIOR — ONR-RC LT. CHELSEA WARE MONITORS THE WATERSIDE RAPID DEPLOYMENT SECURITY SYSTEM AT THE BRITISH UNDERWATER TEST & EVALUATION CENTRE DURING EXERCISE UNMANNED WARRIOR IN LOCHALSH, UNITED KINGDOM. (NAVY PHOTO BY JOHN F. WILLIAMS)

We are in a winner-take-all environment where second place might as well be last.

RESERVE STRATEGIC DEPTH

Australia's 2019-2020 dry season was a fiery nightmare. From June 2019 to February 2020, the long-time U.S. ally saw its worst wildfires in decades. Fueled by unusually severe heat and drought, hundreds of brush blazes burned uncontrollably.

The damage was staggering. According to media reports, the fires scorched millions of acres of land — killing people and wildlife, destroying homes and engulfing whole towns in flames.

Applying advanced technology in the operational environment, as well as fostering international partnerships, is a primary responsibility of the ONR science advisor embedded at the U.S. Indo-Pacific Command in Hawaii. In that spirit of collaboration, the science advisor contacted Australian government and military counterparts about sharing U.S. reconnaissance assets for wildfire surveillance and recovery operations.

Augmenting science advisors in time of conflict or crisis response is a vital mission of ONR-RC. Along with other technical experts, Reserve Lt. Cmdr. John Stuber was assigned to support the science advisor at U.S. Indo-Pacific Command in identifying systems ideal for humanitarian and disaster relief.

Stuber also serves as a military liaison to Australian officials, and was ready to utilize his civilian experience as an engineer with the U.S. Federal Aviation Administration (FAA) to offer insights on how the cutting-edge reconnaissance systems could be used safely and efficiently.

"The Australian government was definitely interested in whatever science and technology solutions the U.S. could provide," said Stuber. "Some are being implemented now, while others will be assimilated for the next dry season."

"It's awesome to be affiliated with the ONR Reserve Component," he continued. "You get a first-hand look at how your support and expertise can augment the needs of the active-duty force and benefit the Navy as a whole."

Stuber's involvement with U.S. Indo-Pacific Command is only one aspect of how ONR-RC works to enhance naval warfighter capabilities and strengthen operational power projection; test technology for potential transition to the fleet; and support the Naval Research Enterprise.

RESERVE OPERATIONAL RELEVANCE

One important mission of ONR-RC involves "technology-insertion" missions, where Reservists participate in testing and demonstration—an essential step for advancing prototypes through the acquisition chain

to warfighters in the fleet. Much of this work is conducted through ONR Global — the international arm for basic research sponsorship. Working with researchers and partners worldwide, ONR Global advances science benefiting the U.S. Navy and Marine Corps.

The Reservists support ONR Global science advisors, who are civilian scientists, engineers and technologists reporting to naval commands worldwide. The advisors focus on programs relating to all aspects of naval warfare and serve as command liaisons with government, academia and industry.

"In the event that conflict ever breaks out, transitioning technology to the fleet will become even more vital," said ONR Program Officer William Krebs. "Reservists will be sent forward to augment science advisors at the fleet and at combatant commands to coordinate the immediate insertion of technology and capability."

Krebs views Reservists as conduits between ONR Global science advisors and ONR program officers. Program officers develop new warfighting capabilities for the fleet and science advisors help program officers understand fleet requirements to aid in their effort. Reservists may assist ONR program officers' science and technology development teams by offering their technical skills and participating in fleet testing and experimentation.

"Having ONR Reservists participate in technology demos and exercises is advantageous because they often possess both technical expertise and operational fleet experience," he said. "As uniformed personnel, they also can engage in missions that might be closed to civilians due to security concerns."

Capt. James Borghardt, ONR Global commanding officer, agrees about the value provided. "ONR Global is not the biggest command — with 25 science advisors posted around the world," he said. "But we're able to punch above our weight and get a lot of valuable work done because of the technical abilities and leadership of ONR Reservists. They provide fast surge support, so we don't have to plan years in advance to ensure appropriate manpower."

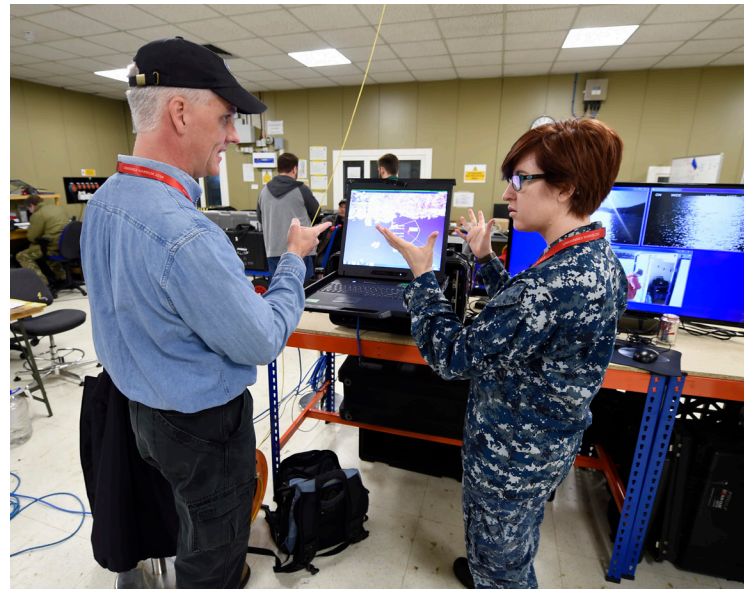
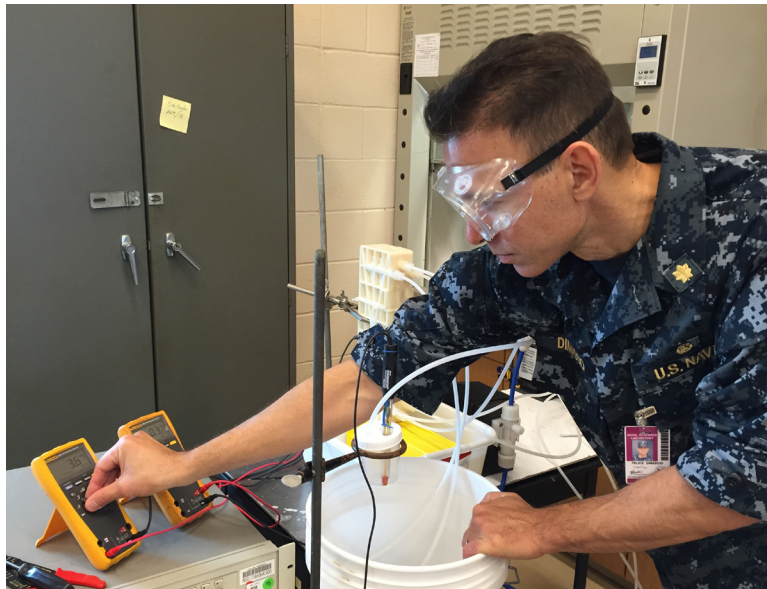
One example Borghardt cited was the 2016 Unmanned Warrior joint exercise hosted by the British Royal Navy. The first exercise of its kind, Unmanned Warrior gathered experts in autonomy and unmanned systems from across the naval science and technology community.

NAVY RESERVE OFFICE OF NAVAL RESEARCH
REAR ADM. DAVID J. HAHN, CHIEF OF NAVAL RESEARCH, ADDRESSES SAILORS OF THE OFFICE OF NAVAL RESEARCH, RESERVE COMPONENT, AT THE JANUARY 2020 WINTER PROGRAM REVIEW AT ONR HEADQUARTERS IN ARLINGTON, VA. (NAVY PHOTO BY JOHN F. WILLIAMS)

SEAWATER TO JET FUEL
LT. CMDR. FELICE DIMASCIO MEASURES THE PH OF SEAWATER AFTER IT PASSES THROUGH A MINI ELECTROLYTIC CATION EXCHANGE MODULE DURING RESEARCH FOR THE ONR'S OPERATIONAL FUEL FROM SEAWATER PROGRAM IN WASHINGTON. (NAVY PHOTO BY HEATHER WILLAUER)

UNDERSEA SECURITY
ONR-RC LT. CHELSEA WARE TALKS WITH ROBERT CROSS AT NAVAL UNDERSEA WARFARE CENTER NEWPORT, ABOUT THE ONR-SPONSORED WATERSIDE RAPID DEPLOYMENT SECURITY SYSTEM. (NAVY PHOTO BY JOHN F. WILLIAMS)

INTERNATIONAL REACH
CAPT. JAMES BORGHARDT, COMMANDING OFFICER, OFFICE OF NAVAL RESEARCH GLOBAL (ONRG), TALKS WITH CHILEAN SUBSECRETARY OF DEFENSE MR. CRISTIAN DE LA MAZA, LEFT, DR. RHETT JEFFERIES, SCIENCE DIRECTOR, ONRG, AND OTHER LEADERS DURING A VISIT TO THE AMBASSADOR'S RESIDENCE PRIOR TO A SCIENCE AND TECHNOLOGY PANEL DISCUSSION IN SANTIAGO, CHILE. (NAVY PHOTO BY JOHN F. WILLIAMS)



The U.S. Navy contingent, led by ONR, worked with multiple international partners to push the limits of maritime autonomous systems in real-world, challenging operational environments. Mission themes included geospatial intelligence; anti-submarine warfare; mine countermeasures; and intelligence, surveillance, targeting and reconnaissance.

“When senior leaders from the U.S. and UK decided to hold the exercise, there were only a few months to plan something that normally takes years,” said Borghardt. “This couldn’t have been done without ONR Reservists, who were instrumental in everything from logistics to actual testing and experimentation.”

In addition to fire-fighting in Australia, Stuber provided support to his ONR Global science advisor with planning efforts for the July 2020 Pacific Operational Science and Technology (POST) Conference, hosted by the U.S. Indo-Pacific Command and the National Defense Industrial Association. POST convenes government, industry and academia to discuss ways to promote peace and stability in the Indo-Asia Pacific region through science and technology.

His duties included serving as a sounding board for technology-related questions, overseeing Reserve staffing, bringing in impactful speakers, speechwriting and developing agendas aimed at improving regional operations and partnerships.

“In my civilian life, I’m a certification engineer for the FAA,” he said, “which means I evaluate new novel technology being introduced to civilian flight decks or for use in the

national air space — to ensure they meet national safety standards. I’m proud that my technical background and experience with ONR-RC can help craft solutions for the warfighter as part of a broad push for science and technology development and deployment.”

Like Stuber, ONR Reservists are science and technology force multipliers, supporting research projects that benefit from their education and experience — including a potential new use for seawater.

LEVERAGING RESERVISTS’ CIVILIAN SKILLS

Water is the most important element in Cmdr. Felice DiMascio’s professional life. As a civilian chemical engineer, he designs systems that purify and disinfect water in hotels and hospitals — preventing the spread of bacteria and pathogens.

As an ONR-RC Reservist, he works to help the Navy eventually transform seawater into jet fuel on an operational scale for deployed vessels.

DiMascio spends his Reserve duty as a project manager at the U.S. Naval Research Laboratory’s Key West, Florida, lab. There, DiMascio invented and refined a production system for creating synthetic JP-5 jet fuel by extracting carbon dioxide and hydrogen from seawater and recombining it using his own patented technology.

“I’ve managed this project through all phases of technical and scientific development,” said DiMascio, “while taking into consideration deck-plate realities and the

I would encourage any Reservist to consider serving here ... many projects hold the promise of revolutionizing the Navy.

demands of shipboard deployments and operations.”

The goal is to one day enable the Navy to deploy a fully operational, self-sustaining platform to produce fuel at sea or in remote locations. This would reduce logistics requirements for fuel delivery, with less environmental burden, and potentially increase the Navy’s energy security and independence.

DiMascio’s system currently produces a gallon of jet fuel daily, during a gas-conversion process sparked and sustained by electricity. However, he said the speed and quantity of this output could increase dramatically (think hundreds of thousands of gallons) aboard a Navy aircraft carrier—which runs on nuclear power and has a boundless carbon and hydrogen source in the surrounding ocean.

While converting seawater into jet fuel sounds

futuristic, quite a few people believe in the potential of DiMascio’s invention. For example, it received three patents from the U.S. Patent and Trade Office; was listed among Popular Science’s 2014 “100 Greatest Innovations of the Year”; and earned the U.S. Naval Research Laboratory’s 2016 Edison Award for most innovative patent.

“The ONR Reserve Component has allowed me to use my talents and experience in diverse ways and made me a better engineer,” said DiMascio. “I would encourage any Reservist to consider serving here, as it allows you to build bridges between the scientific community and the fleet — and many projects hold the promise of revolutionizing the Navy.”

Visit <https://www.onr.navy.mil/Science-Technology/Naval-Reservist-Component> for more information about the ONR Reserve Component. ✚



IN THE MIDDLE OF NOWHERE — ONR-RC LT. CMDR. JOHN WOODS AND ROYAL CANADIAN AIR FORCE PERSONNEL DRILL A HOLE IN THE ARCTIC SEA ICE 50 MILES NORTH OF TUKTOYUKTUK, CANADA, IN PREPARATION FOR A BUOY DEPLOYMENT DURING OPERATION NUNALIVUT 19. THE EVENT WAS PART OF A SEVEN-NATION EFFORT TO INCREASE POLAR SCIENCE AND TECHNOLOGY PARTNERSHIPS. (NAVY PHOTO BY LT. CMDR. JOHN WOOD)

KEEN EDGE

DEMONSTRATING RESERVE SUPPORT CAPABILITY

By Lt. Brian Wagner, NR Navy Public Affairs Support Element East
and Lt. Bill Valente, NR Navy Supply Systems Command Fleet
Logistic Center, Yokosuka

The Regional Operations Center (ROC) at Commander, U.S. Naval Forces Japan (CNFJ) in Yokosuka is a buzzing hive of activity as voice reports stream in from Navy installations across Japan and command leadership demands clarity and answers to a developing crisis situation.

Standing in the eye of the storm is Lt. Cmdr. Michael Cardinalli, assigned to the Navy Reserve CNFJ unit. As the daytime battle watch commander, Cardinalli, who has over 32 years of Navy service, is the brain of the ROC, overseeing the flow of information to and from a team of Reservists working 12-hour shifts. He is also the voice of the ROC, leading daily update briefs to command leadership.

While one of Cardinalli's greatest challenges in the ROC may be finding time to sleep amongst the constant demands to learn, adapt and respond to situations on the fly, he never loses focus on why he is pulling long hours and juggling multiple crises. A job he describes as managing chaos.

As Cardinalli and his ROC team of more than 30 Reserve Sailors, drawn largely from the NR CNFJ unit based out of Minneapolis, Minnesota, share the load of the 24-hour watch schedule, the crisis situation extends across Japan. Similar teams made up from all service branches of the U.S. military and Japanese Self Defense Force respond to the developing and simulated crises scenario, all part of joint command post exercise Keen Edge 2020.

This year's exercise practices coordination procedures to improve interoperability between the U.S. Indo-Pacific Command and the Japan Joint Staff in order to effectively defend Japan or to respond to a regional crisis with a focus on command-and-control and decision making. The command post exercise is a cost-effective way of providing military participants with realistic and unobtrusive training in a simulated crisis. Exercise participants use a computer-based system, called the Joint Theater Level Simulation system, to direct and respond to exercise events. The system helps provide realistic simulated environments for commanders and staff to improve their skills by

anticipating and reacting in real-time to events generated through computer simulation.

Down the road from the ROC, another large group of Reserve Sailors are providing critical logistics support to Naval Supply Systems Command (NAVSUP) Fleet Logistics Center Yokosuka (FLCY).

More than 60 Reserve Sailors from FLCY detachments in St. Louis, Missouri, El Paso, Texas and Phoenix, Arizona are on site to provide fuel operations, air cargo handling and regional exercise services.

As the exercise plays out across Japan and the U.S. 7th Fleet area of operation, Reserve FLCY experts are tested on their skills and ability to respond to high-priority logistics support requests. Throughout the exercise, FLCY planned and simulated the air and ground transport of fuel, hazardous material, munitions, refrigerated cargo and critical repair parts.

Because of the dynamic nature of fuel missions combined with manning challenges, Navy Reservists who have logistics expertise play an integral role in contingency operations. Like FLCY Reservist, Logistics Specialist 2nd Class Jesus Reynaud, who recently completed his on-the-job training at the Defense Fuel Support Point located in Hakozaki, Japan, qualifying as a fuel department duty officer. "It's been a great opportunity to get hands-on experience developing skills typically beyond the logistics specialist rate," said Reynaud. "It has helped me become a more well-rounded Sailor."

Providing the right people at the right time is a big part of the Navy Reserve surge support capacity needed during real-world scenarios, according to Cmdr. Jonathan Markrich, operational support officer for FLCY. "Keen Edge is a great example of how our FLCY Reserve detachments successfully integrate with their active component counterparts," he said. "This is vital and empowers commanders throughout the region with critical information requirements that ensure the success of the exercise."

Back in the ROC, CNFJ Sailors respond to electronic injects of escalating scenario objectives and phone calls from white cell planners. The chaotic pace of the exercise remains constant while Reservists are tested on their ability to manage operational demands and at the same time learn how to use the ROC knowledge management tools — shared drives, wall-size video displays, touch screen consoles seemingly stolen from a Star Trek set, and secure teleconference systems that occasionally treat their users like punching bags.

Information System Technician 1st Class Manuel Bueno's desk is a gathering area for a seemingly endless supply of exercise participants bringing urgent technical problems for him to fix. As an N6 Watch Officer, he supports simulated and real-world Navy IT systems, ranging from system administration to IT support of critical communications infrastructure, and providing situational awareness of communications capabilities across the exercise's operating area.

"Using Reservists for active duty training can give leadership a better idea of how operations can really go during any given moment," said Bueno. "Our staff needs



FROM TOP
Sailors from Commander, U.S. Naval Forces Japan Reserve at the Regional Operations Center. (Navy photo by Logistics Specialist 2nd Class Sergio Rodriguez)

Personnel Specialist 1st Class Matthew Clapp stands phone watch in the ROC. (Navy photo by Mass Communication Specialist 2nd Class Zhiwei Tan)

Logistics Specialist 2nd Class Jose Juarez and Jesus Reynaud, assigned to Fleet Logistics Center Yokosuka Reserve, test fuel samples at Defense Fuel Support Point Hakozaki, Japan. (Navy photo by Midoriko Morita)

FLCY Active and Reserve Sailors provide logistics and service support to Virginia class submarine USS Mississippi (SSN 782). (Navy photo by Midoriko Morita)

Juarez and Reynaud monitor tanker fuel levels during a transfer at the Defense Fuel Support Point. (Navy photo by Midoriko Morita)

FLCY Reserve Sailors load high-priority cargo to ground transportation in the Navy Overseas Air Cargo Terminal at Yokota Air Force Base, Japan. (Navy photo by Midoriko Morita)

(Inset photo by Manuel Cosentino on Unsplash)

to be adjustable to any situation, and Reservists are the most flexible group of Sailors with all of their different civilian experiences. Exercises like Keen Edge are a great opportunity for Reservists like me to learn or brush up on systems we don't have access to on a typical drill weekend."

Cardinalli says the value of Sailors like Bueno are a unique asset to the exercise because of their relative diversity. "Unlike active duty where you live life in a compartmentalized manner," he said. "We are more diverse and bring different skills and characteristics to the table, which helps us overcome challenges together in creative ways."

While the CNFJ team tries to tame the simulated events as they evolve at a lightning pace, another Reservist, Cmdr. Andrew McGuire, is operating at the periphery of the exercise simulation. He has a different task: to develop a real-world operational order to be stored for future use, allowing U.S. and Japan joint military forces to be better prepared if the simulation scenario ever makes the jump into the real world.

As leader of the exercise's Operational Planning Team, McGuire is corralling active duty and civilian participants from every Navy installation. He leads

appreciation for the support Navy Reserve Sailors bring to Keen Edge each year.

"Reserve Sailors are an integral part of the CNFJ and Commander, Navy Region Japan team," said Rear Adm. Brian Fort, Commander U.S. Naval Forces Japan. "They bring not only their military experience, but their civilian expertise to the table. Over the course of this exercise they were able to fully and seamlessly integrate with their active duty and civilian counterparts here to ensure the successful execution of Keen Edge 20."

The Reserve FLCY acting commanding officer, Cmdr. Pete Boll, reiterates the critical role Reservists play during Keen Edge. "We are very proud of the support Reservists provide," he said. "Our Reservists are well-trained, highly-skilled professionals. Their knowledge and experience provide a unique perspective and add benefit to the active duty mission. That really is the superpower of the Navy Reserve force."

While the collective exercise experience is one of long hours and draining work, every Reservist who comes to Japan hopes for time outside of work to see the country. Japan is a critical partner of the U.S. and the people of

It isn't uncommon for Reserve support to start as a display of enthusiastic chaos before rapidly evolving into controlled professionalism, creativity and outside-the-box thinking.

region-wide conference calls twice-daily and briefs Rear Adm. Brian Fort, Commander, Naval Forces Japan, daily on OPT efforts to develop a preferred course of action for an extraordinarily complex situation. As the simulated scenario rages around him, he ignores what is happening and instead asks, "How can we be prepared to act before we ever reach this point?"

McGuire says planning is a perishable skill and needs to be exercised often. "You need to gain an understanding of the situation," he said. "Recognize what your end products should look like and agree on what needs to be accomplished. Everyone learns a lot, but when we do this again on another exercise, we will be better prepared and know more quickly what 'right' looks like."

For CNFJ and FLCY Reserve Sailors and the dozens of other units, commands, and joint services participating in the exercise, it isn't uncommon for Reserve-support to start as a display of enthusiastic chaos before rapidly evolving into controlled professionalism, creativity and outside-the-box thinking. Across the region, there is a deep

Yokosuka have a long heritage of welcoming Americans into their community. Even for first time visitors with no grasp of the language, it is easy for U.S. service members to navigate into town for a meal, a tour of the aisles of a Japanese 7-11, or a visit to Japanese landmarks. Japan's compact geography also makes it a relatively simple task to jump on a train after a long day at the ROC or cargo terminal to make a quick visit to Yokohama or Tokyo.

Being paid to visit a foreign country with a rich culture is one of the unique benefits of Reserve service, and ultimately, building relationships through exercises like Keen Edge provide a valuable opportunity for U.S. and Japan military forces to train and learn from each other on how to best be prepared and able to respond to real-world worst-case scenarios.

"The fullness of the experience packs so much in," said McGuire "Every day you confront and work through so many circumstances. Keen Edge is equal to six months of training at a schoolhouse, though you have to run at full speed from the start." ✚

HISTORY OF TNR

By Retired Master Chief Petty Officer James L. Leuci

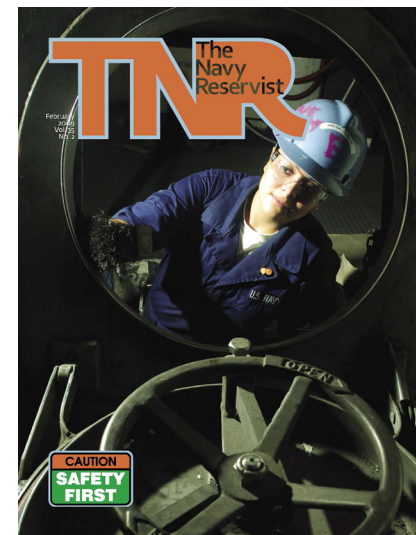
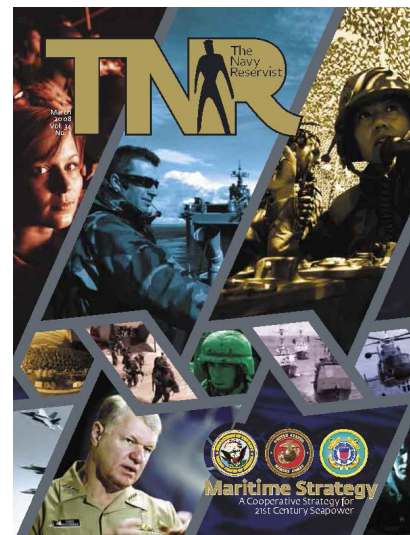
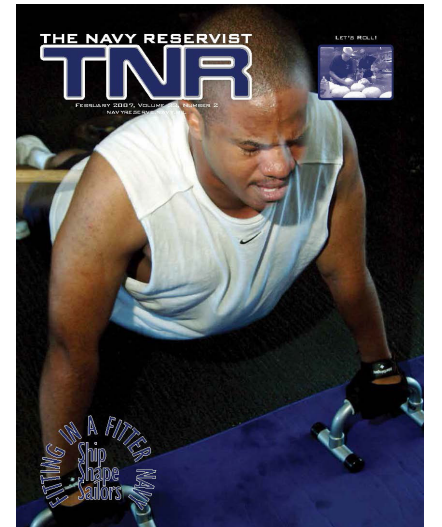
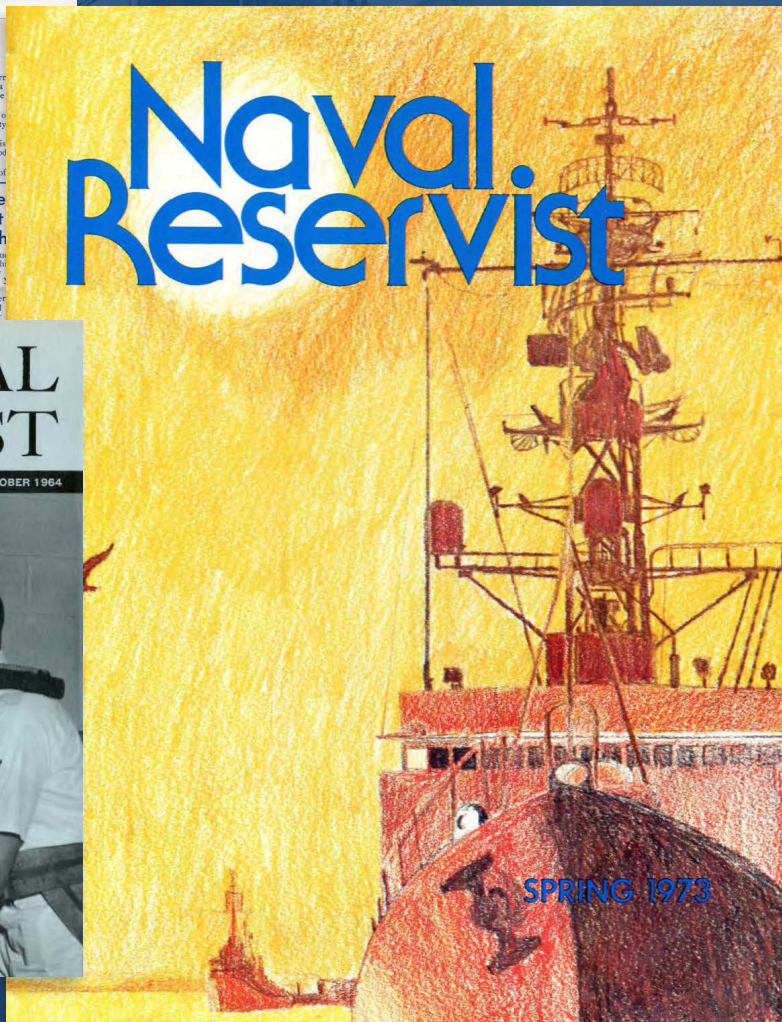
“On August 31, 1945, scarcely two weeks after the surrender of the Japanese in Tokyo Bay, the Navy had reached a strength of more than 3,400,00 persons — of these nearly three million were Reservists on active duty.”

So begins the first issue of The Naval Reservist, a blue monotone, four page newspaper sent to inactive Naval Reservists in July, 1946. The paper promised to provide Sailors with monthly access to news and information of interest to the Naval Reservist and the Naval Veteran, “Nothing but the facts — no scuttle butt — no high pressure.”

With the official Navy moniker of NAVPERS 15653, the newspaper has remained in print through multiple changes in format and title adjustments to become the magazine you now hold in your hand.

The basic format lasted until 1964 when it was changed to an 18 page booklet. In 1973, the booklet became a quarterly periodical titled “Naval Reservist.” In 1976, the magazine format changed to a full size newspaper with the name “Naval Reservist News.”

In 2004 the publication would change once again to a magazine. The format has stuck and remains our platform to today along with the same original purpose: no scuttle butt, no pressure, just news and information of interest to Navy Reserve Sailors and veterans.



Every edition of TNR, going all the way back to 1945, is available online in our magazine archive at: <https://www.public.navy.mil/nrh/Pages/TNR.aspx>

TNR has always relied on stories and photos submitted from Navy Reservists. Your photos from deployment, that story about the incredible experience you had on Annual Training or mobilization, or the profile of that insanely talented Sailor in your unit — we want to share it with the rest of the Reserve team. Be part of our history, send your content to cnrfc_pao@navy.mil to be featured in The Navy Reservist magazine.



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A photograph of a fleet of U.S. Navy ships sailing on the ocean. The ships are arranged in a line, moving from left to right. The lead ship on the left is a destroyer, followed by a cruiser, and then several other ships in the background. The ocean is blue with white-capped waves. The sky is a hazy, light blue.

“The demand signal that the U.S. Navy and our nation places on it’s Reserve Forces is ever-increasing

... The specialized skillsets that Navy Reserve Sailors possess make it an indispensable force multiplier that is leveraged on a daily basis in support of Navy and Marine Corps missions.”

Vice Adm. Luke M. McCollum
Chief of Navy Reserve