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## MICROGRID SYSTEM AT AIR STATION IN MIRAMAR TESTED AFTER MAIN POWER SUPPLIES DELIBERATELY CUT OFF

In a news wire service report, Marine Corps Air Station Miramar successfully tested its independent electric microgrid after external power supplies were deliberately cut off June 30.

MCAS Miramar conducted two tests of its Energy Resilience Readiness Exercise last week, a program undertaken by the Pentagon to ensure electricity to military installations in the event of an interruption.

Power from San Diego Gas & Electric was turned off for two six-hour periods, and replaced by backup power derived from natural gas, diesel power, landfill gas and solar photovoltaic power generation.

Miramar's microgrid power plant, completed in March, is a \$20-million electrical backup system, which provides the installation with up to 21 days of energy resilience.

According to the Marine Corps Installations Command, since 2012, MCAS Miramar has used methane gas produced by the San Diego Landfill to create renewable electricity. Seeing the potential to enhance their use of renewable energy sources, the air station partnered with



Energy storage maker ESS, Inc., deployed an energy warehouse long-duration flow battery system at Camp Pendleton. Courtesy photo

the Department of Energy's National Renewable Energy Lab in 2011 to create a microgrid design concept, designed and built by Schneider Electric and Black & Veatch.

In addition to using methane gas, the state-of-the-art system incorporates a combination of natural and conventional energy sources, including photovoltaic and solar thermal energy, natural gas and diesel, and battery storage to fully power MCAS Miramar for up to 21 days in the event of an

emergency or a blackout.

Many installations may have a backup generator, but the microgrid is a more refined generation source. It establishes the capability for operators to manage the power load and everything plugged into the grid while

redirecting power to parts of the base that need it most. At MCAS Miramar, an important, mission-essential function that would need power is flight line operations.

**"The microgrid here has enabled us to develop a greater potential among other military installations that are working on these technologies..."**  
— Mick Wasco, MCAS Miramar Utilities and Energy Management Director

During the first Energy Resilience Readiness Exercise, the microgrid was able to completely island all mission-critical operations to the grid during a normal workday at Miramar by using redundant, on-site fuel sources, proving its capabilities to the 3rd Marine Aircraft Wing.

"We've paved the way for a lot of support and advanced operations that other military bases may not be used to," said Mick Wasco, Utilities and Energy Management Director, MCAS Miramar.

During its design, the microgrid was developed in a way that allows it to not only work independently for the air station but in harmony with the city's lo-

cal grid. In the summer of 2020, the microgrid was used to assist local communities by preventing rolling blackouts during the heat wave, proving its utility on a larger geographic scale.

"During the heat wave in California, we supported the grid by turning on our microgrid and supporting with the available generation that we had, we

were able to directly contribute to reducing the number of rolling blackouts that were seen in the region," said Wasco.

Since its installation, the microgrid has produced over \$90 million in energy savings, making this resilient capability sustainable for MCAS Miramar in the years to come.

## U.S. to maintain robust over-the-horizon capability for Afghanistan

by David Vergun, DOD News

Following the safe and orderly drawdown of forces and equipment from Afghanistan by the end of August, the Defense Department plans to maintain robust over-the-horizon capability if needed, the Pentagon press secretary said. John F. Kirby held a press briefing July 6, discussing Afghanistan support and assistance to the Department of Homeland Security at the Southwest border, as well as other topics. As for the over-the-horizon capability, Kirby said DOD is in active discussions with the State Department regarding the nature of what that capability will be. He mentioned that there's a carrier strike group in the region and facilities throughout the Middle East that could be useful if needed. "Our commitment to the future of a stable and secure Afghanistan has not changed. It's just going to look different. We're just not going to be on the ground the way we are now," he said. Kirby discussed other bilateral activities with Afghanistan. There are still contractors in Afghanistan providing support to their security forces and air force, he said. "We're actively working [on ways] in which that contract support can be done remotely or virtually or even physically outside the country." There was coordination with Afghan leaders, both in government as well as in the Afghan security forces, about the eventual turnover of Bagram Airfield, the seventh and final base that the U.S. turned over to Afghan National Security Forces. As of July 5, DOD has retrograded the equivalent of approximately 984 C-17 aircraft-loads of material out of Afghanistan and has turned over nearly 17,074 pieces of equipment to the DLA.

## CORPSMAN RECEIVES PURPLE HEART OVER A DECADE AFTER BEING WOUNDED WITH MARINES IN AFGHANISTAN

by Chad Garland,  
Stars and Stripes

A Navy corpsman injured during a firefight in Afghanistan's Helmand province in 2010 downplayed his wounds to stay with his unit in the 1st Battalion, 6th Marines.

For years, Petty Officer 2nd Class Joseph Hardebeck didn't believe his injuries merited a Purple Heart. But on July 1, 11 years after the fact, the medal was pinned on his

chest at a ceremony at Camp Pendleton.

Hardebeck was advancing on Marjah in February 2010 when he was wounded, the 1st Marine Division said in a statement on Facebook.

Launched on Feb. 13 of that year, the battle of Marjah was a major offensive to retake the last Taliban stronghold in Helmand province. Hardebeck was wounded on the eighth day of the campaign,

according to a brief video of Thursday's ceremony.

The video also shows Lt. Col. Matthew T. Ritchie, the commanding officer of 1st Battalion, 11th Marines, calling Hardebeck's actions "about as selfless an act as anybody can give."

Hardebeck credits the support of his fellow Marines and Sailors from Operation Enduring Freedom with changing his thinking about his injuries



Lt. Col. Matthew T. Ritchie decorates Petty Officer 2nd Class Joseph Hardebeck with the Purple Heart, Marine Corps photo by Connor Hancock

and encouraging him to submit for the award retroactively, the 1st Marine Division's Facebook post said.

He received the medal as the U.S. was withdrawing the last of its forces and equipment from Bagram Airfield, signaling the final stages of the two-decade war in Afghanistan, which transitioned from Operation Enduring Freedom to Operation Freedom's Sentinel some 6 1/2 years ago.

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## Sexual assaults will no longer be prosecuted by commanders



**Air Force Tech. Sgt. Rebecca Willemstein, 138th Security Forces Squadron, and Breanna Ault, student flight, place teal-colored ribbons near high-traffic areas to bring awareness of the campaign to eliminate sexual assault within the military. Photo by Sr. Master Sgt. Roberta A. Thompson**

**The independent review commission recommended shifting sexual assault coordinators and victim advocates out of the command structure - largely eliminating collateral duty victim advocates - although you might need them in isolated deployed environments or on ships," she said. "This kind of independent advocacy, where someone is 100 percent focused on the victim and reporting outside of the command structure, is a best practice. It's what victims need - somebody 100 percent on their side.**

by C. Todd Lopez,  
DOD News

Secretary of Defense Lloyd J. Austin III accepted all of the recommendations of an independent review commission that stood up in March and which delivered its findings just last week. The commission recommended an array of changes in how the defense department and the services that fall under it will handle sexual assaults.

"On my first full day as secretary of defense, I committed that we must do more as a department to counter the scourge of sexual assault and sexual harassment in our military," wrote Austin in a memorandum published today. "As I stated then — this is a leadership issue and we will lead."

Austin reviewed recommendations made by the IRC and said he agrees with everything submitted.

Chief among the recommendations Austin has agreed with is who will be charged with prosecuting those suspected of committing sexual assault in the ranks. Until now, it's been the domain of commanders to decide how to move forward when

made aware of a sexual assault. That is no longer the case.

Based on recommendations from the IRC, Austin has directed that the department will work with the Congress to make changes to the Uniform Code of Military Justice in such a way as to shift responsibility from military commanders for prosecuting sexual assaults and related crimes, as well as domestic violence offences, child abuse and retaliation.

With commanders no longer handling the prosecution of sexual assaults, the department plans to create dedicated offices within each military service to take over the role.

As recommended by the IRC, the secretary is also seeking to have sexual harassment added to the list of offenses spelled out in the UCMJ. Sexual assault is already detailed there as an offense.

Making those changes to the UCMJ, which is part of federal law, requires congressional approval. But non-judicial punishments are within the purview of the military services. The secretary has directed each service

to standardize, across the force, non-judicial punishments and to establish a separation process for service members against whom are substantiated claims of sexual harassment.

The secretary has also directed the military services to create professional career paths within their respective legal communities for both lawyers and investigators to specialize in the handling of sexual assault cases.

The IRC began its 90-day review of sexual assault in the U.S. military March 24. The commission's director, Lynn Rosenthal, said in conducting their work, her team met with over 600 individuals in the U.S. military, including survivors, researchers, current and former service members, commanders, junior and senior enlisted members and advocates.

During a briefing July 2 at the Pentagon, she laid out exactly why the commission was asked to conduct their review and make recommendations.

"Twenty thousand service members experience sexual assault every year," she said. "Less than 8,000 report those

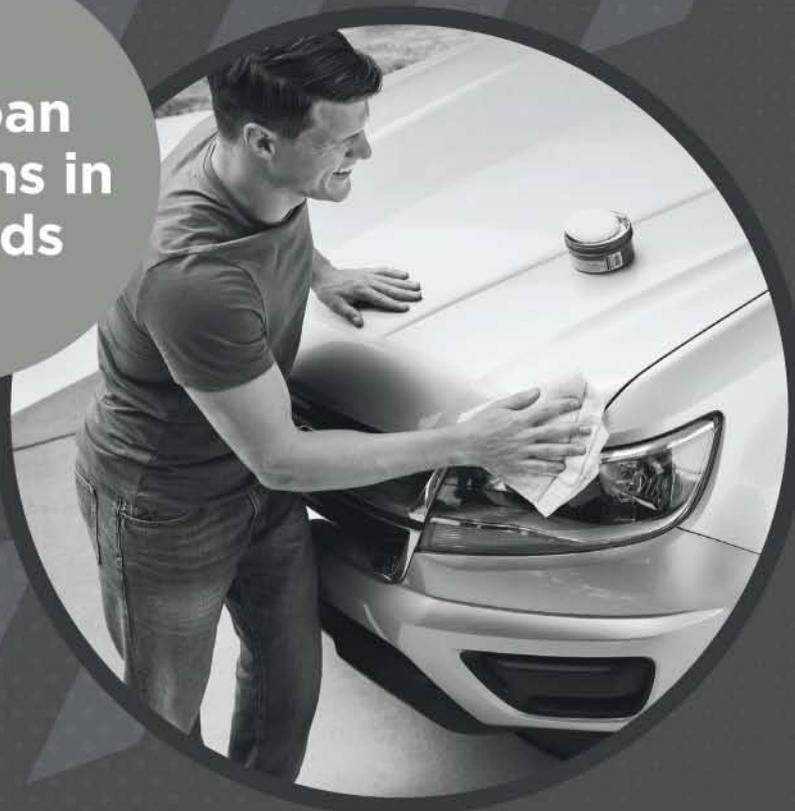
sexual assaults, less than 5,000 of those are unrestricted reports — meaning the victim has said that he or she wants a full investigation — and only a tiny fraction of those end up with any kind of action at all in the military justice system. So that's the chasm that we're talking about."

Rosenthal said the recommendation that sexual assaults be prosecuted outside the chain of the command is in part because commanders themselves are not equipped to handle the complexity of a sexual assault scenario. The military justice system itself is also not ready for that, she said.

"These crimes are interpersonal in nature and have the potential to be re-traumatizing for victims as their cases move forward, so they need specialized care and handling," she said.

When it comes to caring for victims, Rosenthal said, victims' advocates are largely collateral duty roles — they have another job in the military besides taking care of sexual assault victims. The IRC recommended changes there as well (*see sidebar, at left*).

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# Austin approves plan to transfer authority, retrograde should be done by end of August

by Jim Garamone,  
DOD News

As part of the drawdown process from Afghanistan, Secretary of Defense Lloyd J. Austin III approved a plan to transfer authority from Army Gen. Austin S. Miller to Marine Corps Gen. Frank McKenzie, Pentagon Press Secretary John F. Kirby said today.

Miller is the commander of U.S. Forces-Afghanistan and the Resolute Support Mission. McKenzie is the commander of U.S. Central Command.

This is all part of the safe and orderly retrograde that will have all U.S. troops out of Afghanistan by the end of August — well within President Joe Biden's order. "We expect that transfer to be effective later this month," Kirby said. "General Miller will remain in theater in coming weeks to prepare for and to complete the turnover of these duties and responsibilities to General McKenzie."

Kirby emphasized that McKenzie will retain all existing authorities that Miller currently possesses and commander of U.S. Forces, Afghanistan. "He will continue to exercise authority over the conduct of any and all counterterrorism operations needed to protect the homeland from threats emanating out of Afghanistan, and he will lead U.S. efforts to develop options for the logistical, financial and technical support to Afghan forces once our drawdown is complete."

This process will allow the United States to maintain a diplomatic presence within Afghanistan, as U.S. and Afghan leaders hash out the new bilateral relationship between the nations. The bottom line for the United States is to ensure Afghanistan never becomes a haven for groups that wish to launch attacks on the homeland.

Austin also approved establishing U.S. Forces Afghanistan to be led by Navy Rear Adm. Peter Vasely in Kabul. Army Brig. Gen. Curtis Buzzard will lead the Defense Security Cooperation Management Office, Afghanistan that will support Vasely.

Buzzard's office is based in Qatar. That office will provide funding for the Afghan National Defense and Security forces to include over the horizon aircraft maintenance support.

Kirby confirmed U.S. forces have left Bagram Airfield. Kirby called this a key milestone in the drawdown process.

# DOD wants partners to up their cybersecurity game, official says

by Terri Moon Cronk,  
DOD News

The Defense Department wants to help its partner contractors, large and small, become better at their own cybersecurity efforts, the deputy assistant of defense for cyber policy said last week.

"We definitely want to make sure that size is not an obstacle to

disrupt ransomware, the deputy assistant secretary said, adding that the department is willing to work through its intelligence and law enforcement partners to provide insights to disrupt such threats.

It's vital for industry to think about this from the perspective of resilience, Eoyang said of protection in cybersecurity.

... We're trying to figure out how to make it easier for [contractors] to understand what kinds of better security practices are out there and what they can do to protect themselves.

working with the Defense Department," Mieke Eoyang said at the Defense One Tech Summit. "And we are trying to figure out how to make it easier for [contractors] to understand what kinds of better security practices are out there and what they can do to protect themselves."

Eoyang said U.S. adversaries are very much aware that DOD relies on innovation, but she said DOD doesn't just look at only large contractors when looking for a technological edge. It's also important for contractors to adopt best practices in cybersecurity - such as turning on multi-factor authentication, using cloud migration or working with cybersecurity companies - to enhance their own security, she said.

DOD participates in whole-of-government activities to target and

"Companies need to be prepared for the possibility that it could happen to them," Eoyang said. "They need to improve their security, make themselves harder targets, but also really think about continuity of operations, so if, or when, they get hit, they know how to keep moving and how to work around the problem. But I don't think that we want to be in a position where people are turning to the Department of Defense to try and stop every single criminal gang out there .... We have to be able to focus on those nation state adversaries, and we do focus on that. But in the meantime, people also need to focus on improving their own resilience, being harder targets."

DOD is resilient and mature in its cybersecurity practices, the deputy assistant secretary said.

"I think it's very clear from the president on down ... and other countries should make no mistake about the seriousness with which the United States treats this problem and our interest in being able to get after malicious actors."

DOD has been working through U.S. Cyber Command and other entities, she said, directly with industry to help contractors identify potential malicious activity on their networks. "And there are other things we can do to help people — [such as] when we identify malware, we can post it out there for the world to see — so that they can take that into consideration as part of their efforts to secure their own systems."

As DOD considers how to bolster its allies, security cooperation is a big factor, Eoyang said. "What I've seen so far is that one of the No. 1 requests to the combatant commanders for security cooperation assistance is in the area of cybersecurity. But we do not have the clarity of offerings that the private sector could provide under security cooperation funds to our partners and allies, so I would encourage industry to work with us so that we have a better understanding of what might be available, what they might be able to provide through security cooperation, to help shore up the cybersecurity of our partners and allies. And [our] door's always open to talk about that."



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## Medal of Honor Spotlight: Navy Cmdr. Bruce Van Voorhis

by Katie Lange, DOD News

Flying over the Pacific during World War II was treacherous, even if you weren't in battle, so going on a combat mission without backup was almost unheard of. But Navy Cmdr. Bruce Avery Van Voorhis volunteered to do just that, helping the Allies to eventually beat Japan. He and his crew never returned from their mission, but each earned accolades for bravery. For Van Voorhis, it was the Medal of Honor.

Van Voorhis was born Jan. 29, 1908, in Aberdeen, Wash., to Walter and Lillian Van Voorhis. The family moved when he was young to Fallon, Nev., where he graduated from Churchill County High School in 1924. He then attended the Naval Academy and was commissioned into the Navy in 1929.

Van Voorhis first served on the battleship Missouri, then went to Pensacola, Fla., for aviation training; he received his wings as a pilot in September 1931.

He hopped ships and squadrons for the next decade before ending up at NAS Anacostia in the Washington, D.C., area in July 1941, as the U.S. effort in World War II was ramping up.

At some point over that decade, Van Voorhis married Kathryn, a widow with a son. The couple went on to have two more boys.

In July 1942, Van Voorhis was promoted to lieutenant commander. Soon after, he requested combat duty in the South Pacific after learning that his younger brother, Army 1st Lt. Wayne Van Voorhis, was missing in action in the Philippines.

Van Voorhis arrived in Hawaii in early 1943. He assumed command of Patrol Squadron 14, then Bombing Squadron 102, which operated out of Kaneohe Bay.

In April 1943, the squadron was dispatched to the Solomon Islands. The Allies had regained control of much of the archipelago from the Japanese and were hoping to regain control of the Philippines, as well.

On July 6, 1943, Van Voorhis volunteered to command a PB4Y-1 long-range, heavy bomber - known by the Army as a B-24 Liberator - over the Japanese-held Greenwich Island (also known as Kapingamarangi Atoll). It was an urgent reconnaissance and bombing mission

to attack before the enemy could strike first.

Van Voorhis knew it would be perilous, but he accepted the mission. He and 10 other men took off in the middle of the night on a 700-mile journey across the Pacific without an escort or other military support. The ride was arduous - the winds were treacherous, visibility was low and the terrain itself was tough to navigate, but they made it just in time for the real struggle to begin.

As the bomber flew over an island lagoon, it encountered fierce anti-aircraft fire and was quickly pursued by enemy fighters. Van Voorhis and his crew weren't deterred, though. Despite being forced to fly lower and lower, Van Voorhis made six bombing runs over several Japanese ground installations. They were able to destroy a radio station, anti-aircraft guns and other vital targets with bombs and machine gun fire. Van Voorhis' crew took out one enemy fighter jet in the air and strafed three more sea-planes in the lagoon.

On his very last bombing run, Van Voorhis made sure he was low enough to successfully hit his target. In doing so, though,

the bomber itself got caught in the blast. The plane crashed into the lagoon, and all of its crew died. However, their mission was a success, and it contributed to the Allied offensive that eventually drove the Japanese from much of the South Pacific.

The fate of Van Voorhis and his crew members wasn't known for a long time. Van Voorhis was listed as MIA for more than a year before other military members were able to piece together what happened to his aircraft.

Van Voorhis was posthumously promoted to commander. On Aug. 1, 1946, his wife accepted the Medal of Honor on his behalf from Navy Secretary James Forrestal during a ceremony in Washington. The other members of his aircrew were also honored. Nine received posthumous Distinguished Flying Crosses, while the 10th earned the Navy Cross.

It was later learned that Van Voorhis' soldier brother, Wayne, had suffered through the Bataan Death March when the Philippines were captured by the Japanese and had died of malaria in a prison camp in 1942 - before Bruce had even arrived in the South Pacific. His brother's disappearance was the reason



**Boats sit in the harbor of a U.S. Navy motor torpedo base in Bougainville, Solomon Islands, March 10, 1944. Navy photo**

Van Voorhis had volunteered for combat duty.

His legacy has lived on in the military. Destroyer escort USS Van Voorhis launched in 1956.

Van Voorhis' body was eventually returned to the U.S. and buried at Jefferson Barracks National Cemetery in St. Louis, alongside some of the crew members who died with him.

A few years later, an airfield at Naval Air Station Fallon, Nev. - his hometown - was named Van Voorhis Airfield in his honor.

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## NAVFAC Southwest awards \$13.4 million in Camp Pendleton dining facility repairs

by Mario Icaro

SAN DIEGO - Naval Facilities Engineering Systems Command (NAVFAC) Southwest awarded a \$13.4 million task order to Peter Vander Werff Construction Inc., July 1 in San Diego, for the design and construction of a dining facility at Camp Pendleton.

"I look forward to executing this long-awaited modernization project with our contractor partner, Peter Vander Werff Construction Inc.," said Cmdr. Richard Contreras, NAVFAC Southwest assistant operations officer. "This mess hall in the Del Mar area of Camp Pendleton

directly supports the 1st Marine Expeditionary Force headquarters, its subordinate units, and various training schools. This project will provide them, upon completion of this project, an improved dining experience

The project will renovate the interior spaces to provide modernized food service, increase circulation, maximize usability, and reduce long waiting periods for Marines and Sailors. Additionally, the project includes repair of building systems with provisions for temporary dining facilities dur-

ing construction.

The task order is part of a small business multiple award construction contract. Peter Vander Werff Construction Inc. was one of several companies



to submit proposals for the task order.

Peter Vander Werff Construction Inc. is scheduled to design the new interior space with the required building systems and renovate the 24,643 square foot dining facility that serves Marines and Sailors. The design will be inspired by award winning cafeterias that have been successfully design and constructed. Interior finishes shall be selected with priority placed on high durability, low maintenance, and aesthetics.

The project includes new kitchen equipment, architectural finishes, mechanical systems repairs, electrical systems replacement, life safety system modernization, seismic modernization, ATRP provisions, and improvements to parking areas.

Peter Vander Werff Construction Inc. is scheduled to complete work by spring 2023

"I am in awe and incredibly impressed by the project team's performance and agility in delivering this project award," said Bryan Contreras, NAVFAC Southwest project manager. "I am thankful to be part of a team of professionals that are dedicated to the mission and dedicated to Marine Corps project execution. Thank you to the Operations leadership, design and contracting teams, and our Marine Corps project sponsor for making this project possible."

Marine Corps Base (MCB) Camp Pendleton is located in northern San Diego County, California, approximately 38 miles north of downtown San Diego. Camp Pendleton's mission is to operate a training base that promotes the combat readiness of the Operating Forces and the mission of other tenant commands by providing training opportunities, facilities, services and support responsive to the needs of Marines, Sailors and their families. The installation is the Marine Corps' largest

West Coast expeditionary training facility, encompassing more than 125,000 acres of Southern California terrain.

NAVFAC Southwest, located in San Diego is the contracting activity. NAVFAC Southwest personnel supports its clients

with services in planning, design, construction, real estate, environmental and public works support for U.S. Navy shore facilities, Marine Corps, Army, Air Force, and other federal agencies in California, Nevada, New Mexico, Utah, Arizona, and Colorado.

### New assignment for Mahoney

Secretary of Defense Lloyd J. Austin III announced July 2 that the president has nominated Marine Corps Maj. Gen. Christopher J. Mahoney for appointment to lieutenant general, and assignment as deputy commandant for programs and resources, Headquarters, Marine Corps. Mahoney is currently serving as commanding general, 3d Marine Aircraft Wing, San Diego.

In addition, Marine Corps Maj. Gen. Stephen D. Sklenka was nominated for appointment to lieutenant general, and assignment as deputy commander, U.S. Indo-Pacific Command. Sklenka is currently serving as the J-5, director for strategic planning and policy, U.S. Indo-Pacific Command, Oahu, Hawaii.

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# Corona lab revolutionizes material cannibalization with eCANNAB web tool

by Candice Villarreal

Two Navy civilians assigned to Naval Surface Warfare Center (NSWC), Corona Division have developed a web tool that is revolutionizing the way the Navy does business.

Enter eCANNAB; a one-stop, web-based material cannibalization management tool for type commanders (TYCOMs) and naval shipyards. eCANNAB allows users to process, track and report maritime cannibalizations across the fleet.

“Before eCANNAB existed, there was no central place to find the number of cannibalizations

throughout the Navy and the shipyards,” said David Drake, operations research analyst and co-creator of the tool. “We solved that problem by not only consolidating that information and putting it all in one place but also by making it available to everyone in the Navy, enabling leadership to develop solutions to fix the process for requisitions of last resort.”

Gone are the days of poring over outdated spreadsheets and flipping through dog-eared pages in dusty green logbooks, with no way to get a holistic view of all material cannibalizations happening across the fleet.



CORONA

Now, the eCANNAB workflow application capability allows type commanders and shipyard personnel to track, manage and route cannibalization actions in a single application.

The tool provides data within a business intelligence environment for metrics and reports and uses NSWC Corona data sources to correct and improve historical cannibalization data. eCANNAB integrates data from TYCOMs and shipyards, supporting automated reporting to higher echelons and decision-makers.

“Cannibalization is the last resort for requisition of any kind of material; anything on a ship that they’d need to meet their mission,” said Drake. “That could be anything from radar, sonar and weapons components to pumps, power supplies, engine components, damage control, propulsion equipment and more.”

from either mothballed or active, in-service “donor” ships, with cannibalization actions occurring daily. Reasons for cannibalization can include manufacturer delays, unavailable off-the-shelf parts and other supply chain challenges. Now that the Navy can track cannibalizations across the fleet and analyze trends, however, it can plan for extra parts or foreseen shortages to mitigate the impact.

“Let’s say the Navy notices a lot of one particular submarine part coming up for cannibalization in eCANNAB,” said Drake. “The Navy can now track that and develop solutions to try to avoid cannibalization for that part altogether in the future. It does amp up our overall readiness and ability to deploy.”

The application’s integrated workflow functionality streamlines the process of requesting and approving cannibalizations for users, reduces data errors, and provides near-real-time data for metrics and reports. Data entered from workflow analytical dashboards designed through Oracle Business Intelligence provide near-real-time metrics and reports of current and historical cannibalization actions, all in one central location.

eCANNAB in roughly six months, with the initial soft launch taking place in late 2017. Since then, NSWC Corona has been working to add upgrades and new features during periodic “Spiral” releases. Spiral 2 was completed in September 2020, with bi-monthly deployments throughout fiscal year 2021. The latest release, 2.3.3, was deployed May 7.

Apart from providing fleet and enterprise cannibalization visibility, eCANNAB helps quantify material readiness impacts. It is sponsored by fleet commanders and utilized by both fleet and system commands, including Naval Sea Systems Command (NAVSEA) and Naval Supply Systems Command as the primary tool to manage cannibalization processes and reporting.

“I feel this is the most important thing I have worked on in my time as a NAVSEA employee,” said Drake. “That is a pretty strong statement, but this will directly contribute to Navy ship readiness. It allows both short- and long-term solutions for material shortages.”

“This gives the Navy the ability to capture, validate and utilize cannibalization data to enhance fleet readiness,” said Kevin Barrett, fleet assessments branch manager. “It starts with having experienced the shortcomings of previous processes and systems and understanding the problem you want to solve for the fleet.”

The previous cannibalization process was antiquated and dependent on naval messages, spreadsheets and emails with no centralized or easily accessible database. That led to the inability of Navy Sailors and civilians to gather metrics, present accurate and complete data, and track material “paybacks” from the borrower to the donor ship, restricting systems command efforts to take responsive and immediate corrective actions.

“When I was on active duty, I lived through the inability to use anything but very basic record-keeping for this process, so there’s nothing like the school of hard knocks to help you come up with a vision, then carry that vision to making it a deliverable to help the Navy solve problems,” said Barrett.

The future of eCANNAB will include expansion for other emergent material requests like material diversions and cross decks. Additionally, NSWC Corona is already working to increase the accessibility of eCANNAB on more Department of Defense networks, such as Consolidated Afloat Networks and Enterprise Services.

“We have spent a lot of time focusing on how NSWC Corona can lean forward to help make the Navy five- and 10-times faster, and this is a great example,” said Commanding Officer Capt. Khary Hembree-Bey. “One good idea from a talented teammate became a game-changing data tool for the entire fleet in a matter of months.”

Cannibalized parts are pulled

The developers created



## Resume Writing and Interview Tips - Virtual

●● July 13, 10-11 a.m.

Are you seeking employment and need assistance with resumes and interviewing tips? Join the California Transition Assistance Program (CalTAP) and Employment Development Department (EDD) Veterans Network (VetNet) for our Resumes and Interview Tips Webinar. An EDD representative will provide information on types of resumes and discuss interviewing tips.

## Veteran Readiness & Employment Benefits Overview - Virtual

●● July 15, 10-11 a.m.

The U.S. Department of Veterans Affairs Oakland Regional Benefits Office (VBAOAKL) will be presenting information on VR&E Chapter 31 benefits which will include eligibility and the enrollment process.

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## This week's snapshots



**MCAS MIRAMAR**  
June 30, 2021

Camille Schrier, 2020 Miss America, interacts with the audience during the USO Summer Tour event. Photo by Lance Cpl. Jose S. GuerreroDeLeon



**USS JOHN P. MURTHA, at sea**  
July 1, 2021

Cmdr. Jayson Larsen, executive officer of *John P. Murtha*, left, gives Brig. Gen. John F. Kelliher III, deputy commanding general, 1st Marine Expeditionary Force, a ship tour. John P. Murtha is in port, San Diego. Navy photo by MC2 Curtis D. Spencer



**MCAS MIRAMAR**  
June 30, 2021

Marines pull a High-Mobility Multipurpose Wheeled Vehicle during the squadron's 101 Days of Summer safety training event. The safety stand down featured multiple stations to learn about the safe conduct of summertime activities due to increased incidents during this timeframe. Photo by Lance Cpl. Krysten Houk

Marines with the Provost Marshal's Office assist a family carrying beach supplies during the Fourth of July Beach Day on Camp Pendleton. The purpose of the event was to provide a safe beach atmosphere for the residents of Camp Pendleton and to display fireworks for Independence Day. Marine Corps photo by Lance Cpl. Drake Nickels



**DEL MAR BEACH**  
July 4, 2021

**Marine Col. Daniel Whitley, the commanding officer of Headquarters and Support Battalion, Camp Pendleton, shakes**



**MIDWAY MUSEUM**  
July 2, 2021

hands with a Marine during an all-military naturalization ceremony. Chief Judge Dana Sabraw of the U.S. District Court of Southern California administered the oath of allegiance to 20 service members from across the military during the ceremony. Marine Corps photo by Lance Cpl. Kerstin Roberts



**MCAS MIRAMAR**  
June 30, 2021

Lauren Daigle, a Christian music singer and songwriter, performs onstage during the USO Summer Tour event. Daigle and other entertainers visited Miramar to interact with Marines, performing for the troops and their families. Marine Corps photo by Lance Cpl. Jose S. GuerreroDeLeon

## The Meat & Potatoes of Life



by  
Lisa  
Smith  
Molinari

## Navy wife favors seashore despite shark uproar

from relaxing while my kids were in the surf.

But there's a coastal critter that strikes fear in the hearts of every salt-life-loving Navy wife, even the ones with L.L. Bean totes obnoxiously embroidered with lobsters. In fact, this deadly ocean dweller frightens civilian and military Americans alike: Sharks.

The summer of 1975 was vividly imprinted on my brain. I was nine years old, and our family had traveled to visit my grandfather, aunt, uncle and cousins. Louisville, Kentucky was the "big city" to my brother and I, so our cousins planned activities that weren't offered in our small Pennsylvania town yet. Like cheeseburgers and Frostys at Wendy's, and the new Steven Spielberg movie, "Jaws."

The air-conditioned theater was frigid that hot July afternoon. I shivered from the chill and the creeps at images on the big screen before me. Listening to the rhythmic "dun-dun-dun-dun" of the now-iconic movie score, we watched scuba diving Richard Dreyfuss inspect a huge shark tooth he plucked from a hole in a sunken boat hull. Seconds later, the violin strings screeched when a severed human head floated out of the same hole — a classic jump-scare, effective to this day. However, my flinch was superseded by my father nearly jumping out of his seat and emitting a childlike scream, popcorn flying from his bucket.

I didn't know it then, but the

movie "Jaws" would implant irrational, yet permanent fear in the American psyche. As a Navy family, we've frolicked in the waves near many coastal duty stations all summer long in Virginia, California, Florida and Rhode Island. But we never let on that, under our nautical-inspired beachwear and sun-tanned faces, we were terrified of sharks lurking under the waves, sniffing the sea for flesh and blood.

This constant, semi-subconscious anxiety wasn't enough to keep us off the beach, but it was enough to make us freak out — "Kids! Out of the water!" while flailing our arms wildly — when we felt something (always turned out to be a jellyfish) or saw a fin (always turned out to be a dolphin). Although unprovoked shark attacks are extremely rare (only 16 per year in the US, almost none fatal), Americans can't escape sources of information and entertainment that keep our fear alive and well: The inevitable news reports highlighting shark bites in excruciating detail, web-based shark trackers that follow tagged beasts like cuddly 12-foot Great White "Ironbound", Discovery Channel's "Shark Week" which begins July 11, a new movie titled "Great White" coming to the U.S. July 16, and endless "Jaws" summer replays of course.

How is a beach-loving Navy spouse to cope with all this shark-fear mongering? Move to a landlocked base and stare at grain silos? No way. I'll stay at the beach and swallow my anxiety, along with an ice cold mojito.

## AutoMatters™ & More



by Jan Wagner

There was much to choose from for things to do on the 4th of July.

Option One was arriving in downtown San Diego early in the day, which would have been necessary to claim a good spot by the water's edge to watch the "Big Bay Boom" fireworks extravaganza at 9:00pm.

Option Two was going to East County San Diego to drive my Miata in an all-Miata 4th of July parade through the town of Julian — known for its gold mining history, its famous apple pie and plentiful antique shops.

Option Three was purchasing an annual pass online and then spending the 4th of July at SeaWorld San Diego, ending the day with its festive fireworks show.

Last, but not least, Option Four was waking up early enough to drive to Bates Nut Farm in Valley Center, California, to take pictures and chat with people about their cars at the "4th of JULY CAR SHOW 2021," for all makes, models and years. For as good as a single-marque car show can be, like last week's "Fabulous Fords Forever," the additional variety of vehicles in an all makes, models and years event can make those car shows especially interesting. You never know what you might find there.

Perhaps a bit too ambitiously, I chose a combination of Options Three and Four — and I pulled it off!

## 4th of July Car Show & a momentous announcement

I arrived at Bates Nut Farm just before 9:00am. I took photos of many of the vehicles, and chatted with proud owners.

One described the '32 Ford as "America's hot rod." He told me that it was the first V-8. "Everybody fell in love with them and they started hot-rodding them."

The owner of a 1949 Oldsmobile Rocket 88 coupe told me that he bought it because he had a '49 Olds Coupe in high school.

A white 2006 Scion xB wagon was heavily — but tastefully — customized. Its owner was a confectionary chef for "Hot Import Nights" when he bought it stock in 2008. His intent was to sell at the events and have a show car. To give you an idea of the extent of his modifications, get this: he cut out the original floor and cold-welded in a different floor (from the Toyota bB?) that friends sent him from Japan, so that he could install adjustable Toyota rear seats that fold forward and tuck behind the front seats.

Dario is part of the diverse "Desert Dash Rally" group that was organized by Splash Automotive Detail Spa in Las Cruces, New Mexico.

An all-wheel-drive, electrified Cobra started out as a normal ICE car. Since then, with a lot of trial and error, its owner widened it, stretched it about 1-1/2 feet and installed inexpensive, junkyard Tesla parts that include two Model 3 electric motors.

As I'd hoped, towards the end of the show I discovered a car that I hardly ever see: Volvo's 1800ES two-door sport wagon. That car's design has aged very well. Though I seriously considered buying one of these when

they were new, my practical nature compelled me instead to purchase a 1973 Volvo 144 four-door sedan.

Special events are often held on the beautiful grounds of Bates Nut Farm, where there are also farm animals for kids to pet and feed, and a very well-stocked farm store with all kinds of candies, jams, knick-knacks and, of course, nuts! Learn more at [www.batesnutfarm.biz](http://www.batesnutfarm.biz)

I departed the car show in time to make the long drive to SeaWorld San Diego, where I arrived at around 6PM. There I watched a couple of shows and celebrated by watching their "Ignite Fireworks."

Now, as promised, I have a momentous announcement to make. For years I've intended to create a dedicated website where you can read about and see much of what I've covered in hundreds of columns since 2002. To commemorate column number 700 next week, my goal is to take my brand new "AutoMatters & More" website live.

To have any chance of pulling this off, I'll have to upload vintage columns around-the-clock between now and then. To save a lot of time, I'll copy & paste relatively low resolution, small photos, which I will eventually replace with higher resolution, larger and re-edited versions. Wish me luck! Next week I'll let you know how I did.

To see photos, visit [www.drivetribe.com](http://www.drivetribe.com), click on the magnifying glass, select "POSTS" and enter "AutoMatters & More #699" in their search bar. Please send your comments to [AutoMatters@gmail.com](mailto:AutoMatters@gmail.com). Copyright © 2021 by Jan Wagner — AutoMatters & More #699

# Career and Education

## Staying calm through the storm of social revolution at work

by Dr. Daneen Skube,  
Tribune Content Agency

**Q:** My employer is mandating the vaccine. My co-workers are revolting against going back to the office as well as bringing up social change issues and mental health stressors. I'm just trying to keep my head on straight. How can I be productive while our society appears to be in the middle of a social revolution?

**A:** You can be effective in the middle of a social revolution if you trust that polarized conflict is how humans grow and find the eye of this hurricane so you can be a source of both calm and problem-solving.

As a mental health counselor and someone that has done decades of therapy, I've learned that chaos always proceeds progress. If you have been around children, you know that when they return to a younger level of functioning, this apparent deterioration precedes a burst of development.

Just like children, our society and we, as individuals, often regress to progress. From the outside, this progress looks like things are falling apart, but we have to fall apart to fall together better.

When my clients tell me they feel like they are falling apart, I point out that this is how we grow up. The cliché, "It is always darkest before the dawn," is an observation of how darkness proceeds the dawn of new consciousness. If we insist

### INTERPERSONAL EDGE:

rigidly on never falling apart, we also never mature.

During this time, avoid drama and power struggles. When people are scared of change, they often look for someone to battle.

The tools that will help you avoid conflict are:

1) Everyone is right. Whatever bold declarative statements your co-workers make, say, "You may be right."

2) Reserve your personal opinions for family and friends, not the workplace.

3) If office drama is unfolding, paraphrase or repeat back what you're hearing. Your ability to reflect both sides will help your co-workers listen and

collaborate.

Be aware that during social revolution, your social environment will resemble a gasoline lake. One spark from you and the whole lake can become an inferno. We are struggling to

address important issues. How we treat each other, how we treat our environment and how we create reasonable standards of living without discouraging a work ethic. None of us have easy answers for these thorny challenges.

Revolutions are tough transitions because necessary change

butts up against historical and institutional habit. I remember when I was young, we called firefighters firemen. Now it seems normal to say firefighters, but at the time, it never occurred to us that firefighters could be women.

Our reluctance to change is like getting out of bed. We hit the snooze button, roll over, hug our pillow and eventually get up. Most of us end up dressed and going about our day. Social revolution follows this same speed. Glacially slow for the impatient and way too fast for those that want to stay asleep.

As messy as your workplace may look to you, in this moment, we are growing up. In

our workplaces, we have the opportunity to provide an eye of calm in this hurricane of necessary social change for both ourselves and for others. Be a force for collaboration and finding solutions in your workplace, and both you and your team will thrive!

The last word(s)

**Q:** There are times in meetings when the group falls silent. I often feel as the manager I should chime in even though I don't have any new ideas. Should I fill the silence since I'm the leader?

**A:** No, even as the leader you should not break the silence if you cannot improve upon it.

Daneen Skube is an executive coach, trainer, therapist and speaker, also appears as the FOX Channel's "Workplace Guru" each Monday morning. She's the author of "Interpersonal Edge: Breakthrough Tools for Talking to Anyone, Anywhere, About Anything" (Hay House, 2006). You can contact Dr. Skube at [www.interpersonaledge.com](http://www.interpersonaledge.com) or 1420 NW Gilman Blvd., #2845, Issaquah, WA 98027.



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USS Midway Museum is currently recruiting for docents, air craft restoration, ship restoration and safety volunteers. www.midway.org/give-join/volunteers/

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If you would like to connect with someone regarding a command-specific training, please email FFSCSDTrainingRequest@navy.mil

**Life After the Uniform: The Resilient Spouse • Wed, July 14, 2-4pm**  
Are you ready for the challenges of life after the military? Whether your spouse is retiring or separating, these tools and resources will help you effectively navigate the process and prepare the whole family for its next adventure

**Job Search Strategies • Tuesday, July 20, 9-10:30am. •**

**Thursday, Aug. 5, 9-10:30am • Tuesday, Aug. 24, 9-10:30am**

Are you a military family member new to San Diego and looking to get back into the job market? Would you like to learn how to find, federal, state, county or local jobs? Join us for our new webinar!

**Love Long Distance Communication • Wed, July 21, 10-11:30am**  
This hands-on workshop for spouses and children has a great purpose: brightening the day of any deployed service member. Learn the art of long distance communication through the use of digital venues and old fashioned snail mail.

**Active Duty Pregnancy Resources • Tue, July 27, 9am-noon**

Are you a pregnant active duty service member: Learn about policies and programs related to motherhood, developing your Family Care Plan, the Navy's Pregnancy Instruction, as well as childcare, financial resources and more!

**Navigating Child Care Options in San Diego • Fri, Aug 6, 1-2pm**  
Finding reliable and affordable childcare can be an adventurous task for parents. This workshop explores the may childcare options available to military families in San Diego.

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## MOVIES AT THE BASES

Movies & times subject to change. \* Indicates last showing  
Visit navydispatch.com/entertainment\_03movies.htm to find your base theatre information

**Bob Hope Theater** 577-4143  
Miramar Bldg 2242

**Friday, July 9**

6pm In the Heights (PG-13)

9pm The Conjuring: The Devil

Made Me Do It (R)

**Saturday, July 10**

3pm Spirit Untamed (PG)

6pm Peter Rabbit 2: The Runaway

(PG)

**Naval Base Theater** - NBSD,  
619-556-5568, Bldg. 71  
3465 Senn Rd.

FREE entry to the first 375 customers (per showing), no outside food, concessions will be available.

**Friday, July 9**

5pm Peter Rabbit 2: The Runaway

**Saturday, July 10**

2pm Peter Rabbit 2: The Runaway

5pm In the Heights pg13

**Sunday, July 11**

2pm Peter Rabbit 2: The Runaway

5pm In the Heights pg13

**Pendleton Drive-In Movie**

Mainside—Parking Lot

(facing Paige Field House)

**Friday, July 23, 7-10pm**

FREE Drive-In Movie! Come watch a movie with us on a 40ft inflatable screen. Parking lot opens at 7pm, movie starts at 8pm.

Parking will be according to vehicle size. Attendants will direct each driver to a parking space upon arrival (larger vehicles will be parked toward the back of the venue). **Registration required, limited spaces available.** Additional restrictions apply see ticket reservations for details. Visit [mccsCP.com](http://mccsCP.com)

**Pendleton Theater and Training Center**

Bldg 1330 Mainside (Across from Mainside Center)

**Saturday, July 10**

1:30pm Cruella (PG13)

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					8
					3

## Places of Worship

### Bethany Lutheran Church

Lutheran Church - Missouri Synod  
2051 Sunset Cliffs Blvd, Ocean Beach 92107  
(Parking lot off the Alley - North of the building)  
Worship 10:30am Sundays  
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### Bayview Church

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www.bayviewbc.org info@bayviewbc.org

### Canyon View Church of Christ

"Love God, Love People, Serve the World"  
Sunday Bible Classes for all ages 9am  
Sunday Worship 10am  
4292 Balboa Ave., San Diego, CA 92117 Email: cvoffice@canyonview.org  
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### First Baptist Church of Coronado

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Sunday Adult Bible Study 8:45am, Sunday Worship Service 10am  
Meeting in person and online on YouTube or Facebook  
FB: First Baptist Church of Coronado email: secretary@fbcoronado.com  
445 C Ave., Coronado, CA 92118 (619) 435-6588

### La Jolla Lutheran Church

"We Follow Jesus"  
Sunday 9:30am Worship and Sunday School  
Wednesday 6:30pm Bible Study  
7111 La Jolla Blvd., La Jolla, CA 92037  
(858) 454-6459  
LaJollaLutheranChurch.com

### Living Water Lutheran Church

Meeting at Green Flash Brewery Gathering Room  
6550 Mira Mesa Blvd.  
(Entrance Directly in back - off Sequence Dr.)  
Worship 8:45am  
(858)792-7691 LivingWaterSD7@gmail.com  
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## 30 years after Desert Storm, military medicine evolving 'phenomenally'

First in a series of articles on advances in military health care and technology since the Persian Gulf War, 30 years ago this year.

For Dale Smith, a longtime author and a professor of military medicine and history at the Uniformed Services University of the Health Sciences in Bethesda, Maryland, Desert Storm comes down to a single word.

"Survival," he said, without hesitation.

Smith, said the "immediacy of care" for those wounded in war became a clear priority in the early conflicts of the 20th century, but "we fundamentally didn't change our system of care from World War II through the Gulf War."

Medics or corpsmen were decently trained, but they may or may not have had blood on hand for wounded fighters, for example, or penicillin, or morphine.

"That was true in Italy in '44 and it was true as we launched [Operations] Desert Shield and Desert Storm in '91," Smith said.

By the Gulf War, he explained, the military's portable, auxiliary, or mobile surgical units were not portable, auxiliary, or mobile.

"We had improved the medicine so much that it would have taken every wheeled vehicle in Saudi Arabia to move a MASH (mobile army surgical hospital)," Smith said. "They had portable CT (computerized tomography) scanners that weren't really portable, for taking care of head injuries."

Coming out of the desert, he said, big changes were in order. Evacuation or fleet hospitals had multiple operating rooms and hundreds of beds and were enormously expen-

sive to move. This lack of medical mobility likely delayed the kickoff of Desert Storm by 30 to 60 days, Smith estimated.

"Casualty projections in the summer of 1990 were astronomical," he said. "Thousands of people on both sides would be wounded or killed. Iraq had the fifth largest military in the world, and this coalition (of nations allied with the United States) was at the end of a mighty long string. So, it was thought it might be a peer-on-peer, even-up fight. Now, it turned out the Iraqi military was big on paper but not big on training, and morale wasn't any good, and they mostly rolled over when confronted.

Still, some of the lessons learned were staggering. But teasing them out took longer than expected, other experts agreed.

"Since ground combat generated relatively few casualties, especially compared to what was anticipated, there were very few innovations in the practice of medicine as a result," said Alan Hawk, manager of historical collections for the National Museum of Health and Medicine at the Defense Health Agency. "However, the big lesson of the Persian Gulf War was that the medical footprint was way too large and too cumbersome to keep up with a rapidly moving front."

Because of the clear logistical problems, Smith said that things were undertaken in 1991 that were "not yet doctrine" but based on small conflicts from the 1980s, in Grenada and later Panama.

"In both of those [conflicts] we recognized that you could move smaller medical assets quicker," he explained.

For instance, Navy SEALs in Panama - just a year before the Gulf War - advanced high-level Special Forces medical care and learned to better stabilize patients. New techniques for transporting and using fluids and antibiotics were developed.

"Then they put [casualties] on an airplane and flew them to San Antonio, with no intermediate hospitals, and they survived," Smith said.

In the Gulf, "we didn't have enough patients get hurt to be statistically significant, but we did recognize that that system was not going to get patients on operating tables quickly," Smith said. "And the surgeons at those operating tables for the most part were not trauma surgeons."

One Army physician who served in the conflict who can identify with that statement is Dr. Leopoldo "Lee" Cancio, a retired colonel now serving as director of the U.S. Army Institute of Surgical Research Bum Center at Joint Base San Antonio-Fort Sam Houston in Texas. During the Gulf War, Cancio was a young Army captain, attached to the 82nd Airborne Division and only a few years out of medical school.

Smith said a challenge for the military 30 years ago was how to prepare doctors for downrange conditions when they were only accustomed to stateside care facilities. These days, some of the same concerns hold, he said, particularly for Reserve and Guard physicians, nurses, and medics.

"I was used to taking care of injured people, but I was used to doing so in a trauma center setting," Cancio said. "I didn't have much training at all in how to translate that into the field environment."

Trauma training for military and civilian doctors alike is still "intermittent," Cancio noted.

"So that is a challenge," he said. "What has definitely improved and totally transformed combat casualty care, pre-hospital, has been the concept of tactical combat casualty care."

Tactical casualty care was an application of the lessons learned based on data collected during the Vietnam War and analyzed with computers in the 1990s, Hawk noted. This resulted in the development of improved hemorrhage control techniques for use by EMTs and combat medics.

In the Gulf, Cancio took a course called Basic Trauma Life Support, which was designed for civilian emergency medical technicians. Other pre-hospital courses and trainings did gain traction eventually, Cancio said.

But it was tactical combat casualty care that "provided a set of priorities and a sequence of events for people taking care of combat casualties, whether they're under fire, or care en route, which really served as a foundation for everything that we now teach medics and general medical officers, physician assistants, etc., for the pre-hospital environment," Cancio said.

"Knowing what to do when someone is injured and you're being shot

at is really important," he added.

The combat casualty is different from the average victim of a car wreck in the United States, Cancio said. The severity of something like losing one or both legs to an improvised explosive device is unusual stateside during peacetime.

"One of the important early changes on the battlefield was in how we resuscitate patients, both pre-hospital and upon arrival at a medical unit," he said.

To that end, Cancio noted that the availability and portability of blood products and blood transfusions have evolved much in the past 30 years, especially in terms

of battlefield care. In addition, much of stateside general surgery these days is minimally invasive and done through scopes, he said. On the battlefield you still must make big incisions on large body parts like the abdomen. That's where additional trauma surgery training becomes vital for military-specific skills.

Likewise, egregious burns are not common peacetime injuries, but are to be expected in combat - something on the order of 5% to 10% of casualties, Cancio said. If you combine burns with a traumatic brain injury, or an amputation, you're talking about truly rare levels of care, and of training for the caretakers.



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