



# APG NEWS

Published in the interest of the people of Aberdeen Proving Ground, Maryland

www.teamapg.com

THURSDAY, JULY 10, 2014

Vol. 58, No. 27



Photo by Gregory Mahall

## Standing Strong: APG, community celebrate Independence Day

(From right) Brig. Gen. Bruce T. Crawford greets a well-wisher during the Independence Day parade in Bel Air, July 4. It was Crawford's first Fourth of July at APG and his first chance to experience the commanding accord between the installation and its neighbors.

## Prepare for Army Ten Miler in Performance Triad 5K Run

By **1ST LT. JOANNA MOORE**  
KUSAHC

The Aberdeen Proving Ground Army Performance Triad team is hosting a series of fun runs this summer in preparation for the Army Ten Miler, which takes place Oct. 12 in Washington, D.C. The first run is set for 6 a.m. to 8 p.m., Wednesday, July 23 starting from the Main Exchange (PX) parking lot. The run is open to the general public, and participants can either run 5 miles or walk 5 kilometers (3.1 miles). Register at <http://performancetriad-5miler.eventbrite.com>. The first 50 participants registered will receive a free t-shirt commemorating the run.

Aberdeen Proving Ground Morale, Welfare and Recreation (MWR) will set up an information table at the event for active duty military who are interested in joining the Team APG Army Ten Miler. For more information, contact Byron Reasin, MWR sports program and facility man-

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## Training exercise builds coordination, strategy



By **ALAN FEILER**  
APG News

It all started with a dispatch call crackling over an emergency services radio alerting all units of an active shooter situation. A police officer in the Mallette Training Facility (MTF) responded, confirming the sighting of a white male, wearing a black shirt and green pants – an active shooter. After a short pause, the dispatcher said, "Okay, police are arriving on location now."

The exchange might sound like dialogue from a suspense movie, but it was part of an emergency response exercise held July 2 at the facility. The objective of the exercise – the likes of which are

See **APG** page 14

APG Special Reaction Team police officers evacuate the "wounded active shooter" from the building during an emergency exercise at the Mallette Training Facility July 2.

## Army upgrades SHARP campaign

By **LILLIAN BOYD**  
ARNEWS

"We must take conscious steps to understand and reduce environmental risks, identify predatory behaviors, and mitigate personal vulnerabilities associated with sexual assault and harassment," Lt. Gen. Howard B. Bromberg, G-1, said in the opening letter of the Army's first formal Sexual Harassment/Assault Response and Prevention campaign plan.

The Army has seen a 50 percent increase in reports on sexual assault in fiscal year 2013 compared to fiscal year 2012, and officials believe it may be an indication of greater confidence in the Army's response systems and chain of command. To keep the momentum going by increasing

**"We must take conscious steps to understand and reduce environmental risks, identify predatory behaviors, and mitigate personal vulnerabilities associated with sexual assault and harassment."**

**Lt. Gen. Howard B. Bromberg**  
Army G-1

awareness of Sexual Harassment/Assault Response and Prevention (SHARP) services and encouraging victims to report, the SHARP campaign plan provides a road map of how the Army intends to synchro-

nize actions across five lines of effort. The SHARP efforts are in alignment with the DOD's Sexual Assault Prevention Strate-

See **PLAN**, page 14

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**ICE** system  
<http://ice.disa.mil/>  
Facebook, <http://on.fb.me/HzQlQw>

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### WEATHER

Thursday

Isolated T-Storms  
chance of rain 30%



85° | 67°

# OPINION

## STREET TALK

**What new skill would you like to learn if time or money were not factors?**

I would like to go back to school to become a physical therapist; it has always been in the back of my mind.



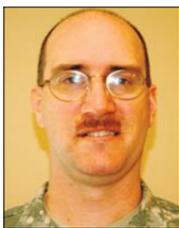
**Marrisa Bartol**  
Military spouse

I would study astronomy. I find astronomy fascinating because there is more out there that can be explored. I would take classes and build an observatory deck and invest in high-tech equipment.



**Sgt. Jose Gomez**  
KUSAHC

I would become a doctor or a physician's assistant in pediatrics. I have seen first-hand how having a good doctor can make a difference in a patient's life.



**Sgt. 1st Class Frank Holt**  
ATEC

I would train service dogs. There is an incredible need for service dogs, especially among military veterans.



**Rebecca Holt**  
Military spouse

I want to learn more about computer programing, and eventually I would like to teach others. I think computer programing is an important skill for job seekers. That is pretty much the way the world is going.



**Chala Brooks**  
Veteran

# Customer service: Building a ready and resilient Army

By **LT. GEN. DAVID HALVERSON**  
IMCOM commander

Let's talk about customer service. It is about the Golden Rule -- "Do unto others as you would have them do unto you", and you must love Soldiers and Families. Members of the Installation Management Command must understand their role in delivering customer service to Soldiers, Army civilians, wounded warriors, retirees and their Families, and survivors. The IMCOM team builds a ready and resilient Army. We take care of people, and make them self-reliant.



**Halverson**

Soldiers, Family members, Army civilians, wounded warriors, retirees and survivors depend on the Army and the IMCOM team to enable them through installation services. Soldiers are committed to the Army profession and expect others in the Army to be as passionate about the mission as they are.

The Army has made a promise to champion Soldiers, civilians and Families. Everyone on the installation management team helps fulfill this promise and delivers to standards.

As the commander of the U.S. Army Installation Management Command and the Army's assistant chief of staff for installation management, I want to ensure we set the example and that we deliver installation services to established standards.

Installations provide the structure, the foundation, the platform of readiness and resilience. We support the Army. Therefore, we serve people. We are The Army's Home.

The Army is about people. As Gen. Ray Odierno, Army Chief of Staff, says, "The strength of the nation is the Army. The strength of the Army is the Soldier. The strength of the Soldier is the Family. That's what makes us Army Strong."

We make the Army Strong. Being the Army's Home means striving to provide the utmost in customer service to Soldiers, Family members, Army civilians, veterans and survivors of the fallen - the entire Army community.

You also are part of the great Army community. Your well-being and professional development helps us provide even better customer service. Seek ways to improve your skills through education and training.

Develop your subordinates so they are empowered for greater responsibility. The vision for Army Leader Development Strategy is to development competent and committed leaders of character with skills and attributes necessary to meet the challenges of the 21st century.

Make yourself Ready and Resilient and "Fit to Fight" by being morally, physically and mentally healthy. Strive to achieve balance at work, with your family and in the community. This will help you understand who our customers really are and what they value.

Our customers are paramount. We need to listen when our customers speak. The breadth and depth of the services we provide is complex; it is our role to coordinate, anticipate and verify customer needs. Garrison leaders need to leave their egos at the door and listen with grace -- and the Soldiers and civilians of their garrison teams should follow their example and do the same.

IMCOM has developed a culture of treating people with dignity and respect. A person who comes to one of our garrisons should walk away satisfied and with a sense of having received fair and courteous treatment.

We must continue this hallmark of our customers' experiences. We should always have the attitude of expectancy -- expecting to be the person who makes someone's day better. Keep in mind who we serve.

Positive attitudes go a long way toward enhancing customer relations. People who enjoy their jobs --from checking a toddler into a childcare center for the first time to discussing funding priorities with the senior commanders -- enhance customer satisfaction.

The senior commanders on our installations depend on the IMCOM team to provide services and programs tailored to support their particular readiness needs. We are all on the same team and our priorities are nested with those of senior commanders.

IMCOM's chapter of the Army story is where readiness and resilience cross from buzzwords to practice.

Follow through with deeds instead of words alone. "Do-oah!" accomplishes more than "Hooah!" If we disappoint someone, explain why and ensure it is not because of a broken commitment. We must be adaptable and agile -- our ability is a measure of organizational success.

Members of the IMCOM team are vital to how the Army lives, works, trains and plays. Whether it's an intramural softball tournament, a fresh coat of paint for a barracks, or a range ready for realistic training, the quality of your work shows our customers we care about them, and their missions and their quality of life.

It's what we mean by our vision: Ready and Resilient Army: Providing Soldiers, Families and civilians a quality of life commensurate with the quality of their service.

The Army is about values. Live Army Values daily. Use Army Values to guide you for the best customer service on your installation. The Army is counting on you.

## Obtaining CAC and DOD identification cards

DHR

Serving you, the customer, remains the number one priority of the Military Personnel Office, Directorate of Human Resources. We continue to refine our business processes to support the issuance of Common Access Cards (CAC) and other Department of Defense (DOD) ID cards to our entire population: active duty, Reserve, National Guard, retirees, and Family members; DOD civilian and contractors, and other authorized patrons.

Appointments are the preferred method for you to receive your CAC or other ID card. Scheduling your own appointment is only a "click" away. We have expanded the online Appointment Scheduler to maximize the number of available appointments. Your time is valuable and we want you to select a day and time that is convenient for you. As a reminder, you may renew your CAC/ID Card 90 days prior to the current expiration date.

Using your CAC, log into the Appointment Scheduler at [www.apg.army.mil](http://www.apg.army.mil); scroll down to the "@ APG box" and select the ICON "ID Cards". This brings you to our Identification Cards and Service Procedures page containing the Appointment Scheduler, our location, hours of operation, and other important information.

There are three available paths to select when scheduling an appointment:

Active Duty -- Dependent, CAC One and CAC Two.

Active Duty -- Dependent should be selected by service members to schedule their appointment and/or an appointment for their eligible Family member(s).

CAC One should be selected by civilian employees, contractors or authorized patrons to schedule appointments.

CAC Two should be selected by civilian employees, contractors or authorized patrons to schedule appointments if nothing under the CAC One path meets their needs.

Retirees and their eligible Family members can call 410-306-2404 to request an appointment for their ID Cards or come in on a walk-in basis.

Trusted Agents should call 410-306-2348 to schedule block appointments for large groups of contractors.

The Defense Management Data Center (DMDC) controls all access to the CAC/ID cards system worldwide. Occasionally, the system slows or shuts down without any warning creating additional wait times and stress. We immediately inform those waiting in our lobby, post a message on social media (Facebook, Twitter), contact appointment holders, and post signs announcing system shut downs. We will continue to do everything we can to provide timely and quality customer service.

For additional information, contact Tom Shumate, Military Personnel Officer or Ivan Willie, ID Cards Operations at 410-306-2303 or 410-306-2348.

## APG SEVEN DAY FORECAST



## APG NEWS

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sant Editor Yvonne Johnson, 410-278-1148 or email [yvonne.johnson5.ctr@mail.mil](mailto:yvonne.johnson5.ctr@mail.mil), or contact Reporter Rachel Ponder, 410-278-1149 or email [rachel.e.ponder2.ctr@mail.mil](mailto:rachel.e.ponder2.ctr@mail.mil).

Deadline for copy is Thursday at noon for the following Thursday's paper.

### Staff

APG Senior Commander ..Brig. Gen. Bruce T. Crawford  
 APG Garrison Commander .. Col. Gregory R. McClinton  
 Public Affairs Officer ..... Kelly Luster  
 Acting Editor ..... Amburr Reese  
 Assistant Editor..... Yvonne Johnson  
 Contract Photojournalists..... Rachel Ponder  
 ..... Alan Feller  
 Graphic designer/Photographer ..... Molly Blossie  
 Website ..... [www.apgnews.apg.army.mil](http://www.apgnews.apg.army.mil)



# APG SUMMER SAFETY

## Summer impaired driving crackdown

ASAP

The Army Substance Abuse Program (ASAP) encourages the APG community to support the national enforcement effort to crack down on impaired driving and reduce roadway fatalities.

Cindy Scott, ASAP prevention coordinator, reports that motorists need to be on notice that if they are caught driving while impaired, they will be arrested and that special emphasis is directed at young male drivers and motorcycle riders, as they are in the highest risk group. The key message is: Alcohol-impaired driving is a deadly crime that's still prevalent throughout America and is especially common among young males 21 to 34 years old. To crack down on alcohol-impaired driving — which is especially common in the summer — police in every state will be out in record numbers over the summer.

According to National Highway

Traffic Safety Administration (NHTSA) statistics, all 50 states, the District of Columbia and Puerto Rico have established a threshold making it illegal per se to drive with a blood alcohol concentration of .08 grams per deciliter or higher. Yet 10,839 people in 2011 were killed in U.S. highway crashes involving a driver or motorcycle rider with an illegal Blood Alcohol Content of .08 or higher, according to NHTSA statistics.

Here are some startling numbers:

In 2013, 8,796 people 21 to 34 years



old were killed in motor vehicle traffic crashes. Of those, 47 percent (4,206) were killed in alcohol-impaired driving crashes. Alcohol impairment among drivers involved in fatal crashes was four times higher at night than during the day (37 percent versus 9 percent). Thirty-

one percent of drivers involved in fatal crashes on weekends were alcohol-impaired, compared with 16 percent during the weekdays.

In 2013, 32 percent of fatalities in motor vehicle traffic crashes involved drivers or motorcycle riders with

BACs of .08 or above — an average of one fatality every 48 minutes. The percentage of drivers with BACs of .08 or above involved in fatal crashes in 2011 was highest for motorcycle riders (29 percent), followed by drivers of light trucks (23 percent) and passenger cars (23 percent).

Forty-three percent of the 2,291 motorcycle riders who died in single-vehicle crashes had BACs of .08 or above. The age groups of 45 to 49 and 40 to 44 had the highest percentages of impaired (BAC of .08 or higher) motorcycle riders killed in fatal crashes — 41 percent and 38 percent, respectively.

“Alcohol related deaths are not an accident, they are a crime, Scott said, “a crime that we must consider as unacceptable.”

For more information contact Scott at 410-278-4013; call APG ASAP at 410-278-DRUG (3784); or email Cynthia.M.Scott4.civ@mail.

## New user friendly website comes to APG

On July 17, Aberdeen Proving Ground will launch its new Web Portal, [www.TeamAPG.com](http://www.TeamAPG.com). The site will feature a new and improved façade that has been de-cluttered. All of the information contained on the new web portal has been reviewed and updated and users should notice a more intuitive functionality to the links when searching for information. In addition, visitors will have to click no more than three times to find the information they're searching for.

“We only get one chance to make a great first impression and in today's technological age we know that the first impression people have of our installation is through our web portal or social media,” said Kelly Luster, chief of the APG Garrison Public Affairs Office. “We want to make sure that impression is a great one. Our goal is to provide the best user experience to our customer,” he added. “We think they'll find the new Web Portal [www.TeamAPG.com](http://www.TeamAPG.com) is clean and easy to use. In addition, it will augment our ability to communicate to our workforce, our customers and the communities that surround the installation.

“As of July 17, everything you need to know about Aberdeen Proving Ground will be less than three clicks away.”

## G Bistro & Café offers homemade, custom foods

Story and photo by **RACHEL PONDER**  
APG News

The Aberdeen Proving Ground community has a new place to go for fresh, made-to-order breakfast and lunch items.

The G Bistro & Café serves a variety of homemade food created from original recipes. For breakfast, customers can order pancakes, breakfast sandwiches, omelets and more. The lunch menu features sandwiches, burgers, wings, wraps, salads, soups and an assortment of sides like macaroni and cheese, coleslaw, potato salad and baked beans. In addition to the regular menu, there are at least two daily specials. Throughout the day, the café serves Starbucks® coffee.

“Our best sellers are the turkey club and Reuben sandwiches,” said Yolanda Gibbons, who co-owns the restaurant with her daughter, Dejana Hendrick. “My favorite meal is the wings with honey and Old Bay sauce.”

Gibbons said the G Bistro & Café features “fast casual dining” meaning food is fresh, made-to-order and served quickly.

“Prices are reasonable,” she said. “Breakfast is no more than \$8; lunch is no more than \$10.”

G Bistro & Café Executive Chef Michael Farmer has more than 35 years of experience in the food industry. He acquired his culinary training as a cook in the U.S. Army. Farmer said that after leaving the Army, he decided to stay in the food business and since then he has served as the executive chef at a Marriott hotel and has owned several restaurants.

“What I like most about being a chef is the freedom to create your own menus and dishes,” Farmer said. “We don't do fast food; everything we do is from scratch.”

Reggie Cooper, a Stratford University culinary student, works closely with Farmer to learn how to run a restaurant.

“I have learned everything from Mr. Mike,” he said. “I want to do everything I can to expand the business.”

The G Bistro and Café is the first restaurant located in the Government and Technology Enterprise, or The Gate, a 416-acre state-of-the-art business park, near the MD Route 715 Gate.

Customer Mike Davis, a DoD contractor, said he was glad to see a café open so close to his office.

“The location is convenient and the food here is very good,” he said.

Shane Lynch, also a DoD contractor, said he frequently visits the restaurant with his co-workers.

“The hamburgers are my favorite,” he said.

G Bistro & Café also offers affordable business catering for breakfast and lunch. Breakfast catering options include doughnuts, pastries, bagels, fresh fruit, coffee and tea. For lunch, catering options include sandwich platters, salad platters and deserts. For groups of 50 or less, 24 hours notice is needed; for groups of 50 or more, 48 hours is needed.

G Bistro & Café is located at 6210 Guardian Gateway, in The Gate, and is open Monday through Friday. Breakfast is served 8 to 10:30 a.m.; lunch is 10:30 a.m. to 3 p.m. Call-in orders are welcome. For more information or to place orders call 410-306-6846; visit the G Bistro & Café website at <http://www.gbistrocafe.net/>; or email [gbistro@yahoo.com](mailto:gbistro@yahoo.com).

**Executive Chef Michael Farmer assembles a turkey club sandwich, one of the most popular menu items at the recently opened G Bistro & Café. APG's newest breakfast and lunchtime option, featuring homemade dishes, is located in Bldg. 6210 in The GATE area.**



# ALL THINGS MARYLAND

## Something to strum about



By **ALAN FEILER**  
APG News

For centuries, Marylanders have been known as a plucky lot. So maybe it's apropos that the state's largest city, Baltimore, has a vaunted place in banjo lore.

The banjo, that wondrous five-string instrument that summons the spectral charms of rural America despite its West African origins, was first mass-produced in what some folks call "Charm City." That tidbit of information for frailing enthusiasts is why the Baltimore Museum of Industry (BMI) is currently hosting the exhibition, "Making Music: The Banjo in Baltimore and Beyond."

It seems that the banjo, best known for its Appalachian associations, enjoyed great popularity in the Chesapeake region from the 1730s through the first half of the 19th century. That's largely because Baltimore, as the most industrialized city below the Mason-Dixon line, was at the crossroads of antebellum America.

As documented by the BMI exhibition – which opened last April and was curated by banjo scholars Greg Adams, Pete Ross and Robert Winans – Baltimore was the home base of William Esperance Boucher Jr. (1822-1899), the earliest known commercial manufacturer of banjos.

Before the 1840s, making banjos was strictly a homemade affair. But Boucher, a German-born instrument maker, started mass-producing banjos around 1845 on East Baltimore Street near High Street, in the same theater district where minstrel performances were all the rage of the day. The entrepreneurial Boucher standardized the banjo's wooden frame rim. He



Courtesy photo  
**The Baltimore Museum of Industry's current exhibition "Making Music: The Banjo in Baltimore and Beyond" features vintage banjos, sheet music, photographs, works of art, and profiles of local banjo makers, and explores Charm City's unique place in the history of American banjo music. Shown here is the painting "The Banjo Player" by William Sidney Mount (1807-1868).**

added such vital components as a drum body and tuning pegs. Soon, other music shops sprouted up around Baltimore selling banjos to a public ravenous for the

instrument.

Boucher produced banjos in "Bawlmer" until about 1870. About 45 Boucher banjos (as well as replicas) are

still known to exist, many of them in the Appalachian region and weathered survivors of the Civil War.

Today, the banjo is strummed on stages across the world – the English folk rock band Mumford & Sons and the American string band Old Crow Medicine Show are two examples and evokes strong emotions about America's glorious past and spirit. But less known is the instrument's early days in the airy cabins, genteel parlors and sweaty workshops of Maryland.

"Making Music" examines Maryland's centuries-old tradition of banjo playing and manufacturing, as well as the state's place at the confluence of slavery, minstrel entertainment and industry. The exhibition features Boucher banjos, vintage sheet music and profiles of Baltimore-based banjo producers as it delves into the city's role in the history of American banjo music.

By the way, Maryland remains a banjo hub. Among the well-known pickers who hail from or reside in the Free State are Grammy Award-winner Cathy Fink, Brad Kolodner, Steve Mandell (of "Dueling Banjos" fame), Buddy Wachter and Stephen Wade. And Governor Martin O'Malley has been known to pluck a banjo tune or two. The "Making Music" exhibition runs through Oct. 18 and costs \$12 for adults; \$7 ages 7-18; and is free for ages 6 and younger.

The BMI is located at 1415 Key Highway, Inner Harbor South. For information, call 410-727-4808; visit the BMI website at [www.thebmi.org](http://www.thebmi.org) or the BMI Facebook site at <https://www.facebook.com/pages/Baltimore-Museum-of-Industry/61070592971>.

## ARL Soldier recalls a life of service, family inspiration

By **T'JAE GIBSON**  
ARL

Delivering soft drinks for PepsiCo was a great job for Staff Sgt. Kirt R. Wheatley. He and his peers worked so hard they raised individual performance expectations and the company decided to do more with fewer people. He and a few others were laid off.

So, Wheatley decided to "just check out the military."

"[The] next thing I knew, I was joining," he said.

That was in March 1994. Wheatley had one child, John, and baby Dana was on the way. He uprooted from Los Angeles for basic training at Fort Leonard Wood, Mo. While training there, he took a bad spill on a muddy surface, fell forward injuring his knee, and when he tried to recover, he slipped and fell on his back. For four years, he said, he endured a nagging pain that became excruciating.

Wheatley separated from military service in 1998 on a medical discharge.

Then came Sept. 11, 2001.

At the time, Wheatley was working in construction.

"I woke up that morning and was getting ready for work," Wheatley recalled. "I turned on the TV and thought I was watching a movie. I watched the plane go into the tower. I just thought it was a movie," he said with a look of despair.

If only the events of that day had been a horrifying Hollywood film.

"My brother had been (traveling) to New York. He was doing some work out there but I was calling (him on September 11) and couldn't get a hold of him."

When he called his mother to tell her he couldn't reach his brother, he learned that his brother had returned to California a couple of days before the tragedy.

Relieved, Wheatley decided to reenlist in the Army.

Today, he serves as the research, development, test and evaluation noncommissioned officer within the Weapons and Materials Research Directorate of the U.S. Army Research Laboratory. Prior to this assignment, he was stationed with the 501st Sustainment Brigade, Eighth U.S. Army, South Korea. Throughout his career, Wheatley amassed several awards including six Army Commendation medals, five Army Achievement medals and five Army Good Conduct medals.

"I'm just proud to be part of this great organization," said Wheatley.

He said one of the best things he picked up during his military career is "how to be a take charge person."

And he'll need that for the future plans he's laid out for himself and his family.

"I want to open a woodworking business. I make custom-made furniture," said the Los Angeles native. "Woodwork is a stress relief. When I get stressed out or upset, I go out and build something. Unfortunately, it costs me a lot of money. But it's something I enjoy. It's really relaxing. I've built an entertainment center, bar, time-out benches. It's just the fun part of being able to create something from an idea in my head. I have a lot of fun with it."

He and his wife of six years, Juanita, have opened a small printing company specializing in sublimating photos onto a number of surfaces, including stainless steel water bottles, ceramic mugs and polyester t-shirts.

"I am a husband and a father of seven children and three grand children," says Wheatley. "My family is my world and the most important thing to me. I will do anything for them."



Courtesy photo  
**ARL Staff Sgt. Kirt Wheatley holds his 1-year-old grandson, Avery.**



### Gloor accepts PM SAI charter

(From left) Col. Thomas Gloor accepts the charter for Project Manager Sensors-Aerial Intelligence (PM SAI) during a ceremony presided over by Stephen Kreider, Program Executive Officer-Intelligence, Electronic Warfare & Sensors as outgoing PM Col. Christopher Davis looks on during a June 23 Change of Charter ceremony. PM SAI encompasses five Product Management Offices responsible for fielding systems for manned/unmanned aircraft and tactical exploitation of national capabilities.

Photo by Bill Schofield

# Connect with nature at Longwood Gardens

Story and photos by **RACHEL PONDER**  
APG News

Take a break from the hectic pace of life and reconnect with nature by taking a day trip to Longwood Gardens in Kennett Square, Pennsylvania.

About 45 minutes from APG, Longwood Gardens spans more than 1,070 acres and is home to 9,000 different kinds of plant and flower species and varieties. The conservatory, which spans four acres, houses plants and flowers from all over the world. There are activities for all age groups. Children will especially delight in Longwood's large tree houses and the children's garden located in the conservatory.

In addition to the flora and fauna, the area is also rich with history. Longwood Gardens founder, business tycoon and philanthropist Pierre S. du Pont, bought the land in 1906. In 1907, du Pont laid out his first garden, the 600-foot-long Flower Garden Walk, which is one of Longwood's most popular gardens. Du Pont continued expanding and built the conservatory, which was finished in 1921. The conservatory's ballroom contains the largest residence organ in the world the 10,010 pipe Aeolian organ, which is still played today.

After the conservatory was built, du Pont added intricate fountain displays. The Italian Water Gardens was modeled after the Villa Gamberaia, near Florence, Italy. Today, Longwood Gardens is known for its dazzling fountain displays and shows set to music. This summer, guests can enjoy fireworks and fountain shows on select dates.

The most recent addition to Longwood is the Meadow Garden. Spanning 86 acres, it contains more than three miles of walking and hiking trails with open fields and lush wetlands. On select days, walks and hikes are led by expert guides. This area also contains four learning pavilions and the historic Webb Farmhouse, which was recently restored to the way it appeared at the end of the 18th century.

History buffs will also enjoy visiting the Pierce du Pont house, which was originally built in 1730 and later served as du Pont's summer home. The house contains the Longwood Heritage Exhibit, a collection of historic photos, artifacts, home movies, and a video that tells the story of the stewards of the land who preserved and developed the property.

Throughout the year, Longwood



**Clockwise, from left:** The Longwood Gardens conservatory spans four acres and houses plants and flowers from all over the world; during the late spring and summer, Longwood Gardens features several impressive fountain displays; a butterfly lands on a pink cone flower inside the conservatory. Visitors to Longwood Gardens are encouraged to relax and observe the wonders of nature.

Gardens highlights flowers that are in season. For instance, during the fall, Longwood hosts a Chrysanthemum Festival, and in December, the gardens are decorated with festive trees, lights and poinsettias.

## Special pricing

Soldiers and their Family members receive a 25 percent discount off of general admission when they show their military ID. General admission is \$18 for adults; \$15 for seniors age 62 and older; \$8 for children ages 5-18, or students of any age with a valid school ID. Children 4 and younger are free and parking is free. For more information, or to plan your trip, visit <http://longwoodgardens.org/>, or call 610-388-1000.



# Army introduces Wi-Fi, 4G LTE to battlefield

Story and photo by **AMY WALKER**  
PEO C3T

The Army is introducing the power of 4G to the battlefield, providing coverage that stretches across a forward operating base so Soldiers can access mission information from their smartphones, not their desks.

The 4G LTE infrastructure is part of a new collection of advanced commercial technologies, including coalition and first responder capabilities and Wi-Fi for command posts that answer Soldiers' demands for tactical network systems delivering increased bandwidth and enhanced capabilities in smaller packages.

"Soldiers and commanders in tactical operations centers need more bandwidth for data intensive tasks like sending large PowerPoint files, maps, and full motion video," said Lt. Col. Joel Babbitt, product manager for Warfighter Information Network-Tactical, or PdM WIN-T, Increment 1, which is responsible for fielding this new equipment.

"The transformational nature of these technologies is increasing situational awareness and effectiveness for Soldiers at all echelons."

The Army fielded the Tactical Network Transmissions, known as TNT, equipment package for the first time to the 86th Expeditionary Signal Battalion, to support the Network Integration Evaluation, or NIE, 14.2 at Fort Bliss, Texas. NIE 14.2 was the seventh in the Army's series of semi-annual evaluations designed to integrate and mature the tactical network in a relevant operational environment.

## ESB versatility

As the name suggests, the expeditionary nature of ESBs requires agility and advanced communications capabilities. These units are flexible and modular in nature, so they can support a vast range of missions in the most austere regions. They primarily support other units that don't have their own communications equipment. ESBs can support higher headquarters at corps and division, but they also have smaller teams to support units within a brigade combat team, or when needed, to provide network support for natural disaster relief efforts or other emergencies around the world.

The Army is providing the new TNT equipment collection to significantly



Soldiers from Company B, 86th Expeditionary Signal Battalion, evaluate the new command post 4G LTE/Wi-Fi system network stacks during the Army's Network Integration Evaluation 14.2, at Fort Bliss, Texas in May.

increase network capability and throughput while reducing size, weight and power, to help ESBs become leaner, more versatile and rapidly deployable. Some of the TNT equipment is also scheduled to be fielded to National Guard units for improved communications during civil support such as natural disasters.

## Multiple capabilities

Among the multiple capabilities provided by the TNT equipment is Wi-Fi coverage for the tactical operations center, removing some of the cables that tend to clutter command posts and allowing Soldiers to roam from their desks so they can be more effective. In addition, a 4G LTE infrastructure, which covers the entire forward operating base, allows Soldiers to use their secure network on the battlefield via smartphones, and in the near future they will be able to use laptops and tablets with the capability as well.

"Commanders can just pick up their cell phones and directly call or text anyone they need to within the radius. It's a much faster line of communication," said Cpl. Michael Bullis, Company B, 86th Expeditionary Signal Battalion, who operated the equipment at NIE 14.2. "On the software end, Soldiers have a centralized knowledge base on their phones, and the Army will continue to add apps to provide a more realistic view of what is going on in operations."

## Encryption technology

As part of the TNT effort, the Army married its 4G LTE/Wi-Fi system with a National Security Agency encryption solution, Commercial Solutions for Classified. It uses the same encryption technology as the commercial internet, enhanced for military purposes, enabling the Army to avoid research and development costs to incorporate this advanced technology. TNT is the first DOD program to utilize Commercial Solutions for Classified for military utility.

"Medics can use the 4G phones in forward operations, with apps like 'patient tickets,'" Bullis said. "They put the information directly into their phone while they are right there on the scene, instead of having to come back, or give the information to someone over a radio to type it in."

The TNT technologies also include the Tropo Lite terminal, nick-named "Tropo in a can" by Soldiers, because of its transit-cased deployability. Tropo Lite bounces microwaves off the atmosphere for high-speed transfer of large volumes of data between sites and over mountains -- providing an alternative to expensive satellite communications.

TNT also includes a smaller, more transportable line-of-sight radio system, called "TRILOS," which significantly increases throughput over legacy radios increasing throughput from 16 Mbps to 200 Mbps.

"Having more throughput means faster

and more reliable services, and in wartime it is critical for a commander to send his message quickly," said Capt. Levelle Moore, Company B commander.

## Mission networks

This spring's NIE included increased joint and coalition force participation, and to help support the coalition aspect of the event, the TNT package introduced the versatile Mission Network Enclave, known as MNE. Within 10 minutes this network stack can be reconfigured to provide tactical access for one of four different networks: the coalition network, Secure Internet Protocol Router, Non-secure Internet Protocol Router, or commercial internet and phone service. This flexibility enables MNE to support either coalition operations or civil support, such as first responders in disaster relief efforts.

The system's integrated radio-bridging and cross-banding solutions provide seamless interoperability among disparate radio nets that previously could not communicate. The need for this type of capability was made evident by communication lapses such as those that occurred during Hurricane Katrina relief, when first responders could not communicate between agencies.

## Emergency response

"MNE is going to be great because we may be called to support a natural disaster or an emergency around the country, like Hurricane Katrina or Sandy," said Maj. Rickie Meers, operations officer for the 86th Expeditionary Signal Battalion. "MNE is going to enable us to integrate all the different civilian agencies and combine all of their different radio systems and frequencies to be able to talk quickly between each of the agencies, and with everyone out there. That is invaluable."

Along with increased capability, ease of use and size, weight and power reduction, are high priorities for the Army, and Soldiers in the field are beginning to notice significant improvements as technology evolves. Before the turn of the century, electronic devices like televisions were large and cumbersome, and it took a lot of effort to move from location to location. But fast forward to 2014, and movies are being watched on smartphones and tablets. As technology continues to evolve, it's going to make missions easier on Soldiers and their units, Moore said.

# Army Future Vertical Lift capability focuses on tech demonstrations

By **DAVE VERGUN**  
ARNEWS

The Army-led Future Vertical Lift program is being developed to replace the service's aging helicopter fleet, and the aircraft of other services, at some point in the future.

The need for Future Vertical Lift, known as FVL, was explained by Dan Bailey, program director, Joint Multi-Role Technology Demonstrator/FVL, U.S. Army Aviation and Missile Research Development and Engineering Center, Redstone Arsenal, Alabama.

Bailey, who spoke on a JMR-TD/FVL panel during a recent Center for Strategic & International Studies event, said there are significant limitations on the current fleet, and that over time, those gaps will escalate, resulting in potential adversary overmatch.

The panel included representatives from each of the four vendors touting their versions of FVL: AVX Aircraft Company, Bell Helicopter, Sikorsky-Boeing Team, and Karem Aircraft.

Potential adversaries are also working on their own versions of FVL, Bailey said, adding to the urgency.

For decades, the U.S. has added incremental upgrades to its aging fleet of helicopters and that approach is getting expensive and is at its limits to what can

be added to those legacy platforms such as the Black Hawk and Apache helicopters, he said.

"We've never had the opportunity to start over fresh across DOD to bring a new fleet to bear that takes innovation into account," Bailey said, adding that the Joint Multi-Role Technology Demonstrator, or JMR-TD, gives DOD and defense industries the chance to do that and to dig deep into their science and technology efforts.

While the goal of JMR-TD is eventual production of FVLs, the knowledge gleaned from these science and technology efforts is probably just as useful, because without the 50/50 cost sharing between DOD and the vendors, the tools and competencies that go into making this happen would be moribund. In other words, there would be no incentive for industry to pursue it, Bailey explained.

A couple of the requirements are that

the FVL be able to self-deploy on one of the longest known routes, between California and Hawaii, a distance of about 2,100 nautical miles. Self-deploy means not having to be loaded on a C-5 Galaxy or other type of aircraft or via ship.

This would be an exciting development for the Army's pivot to the Pacific, said Robert Hastings Jr., senior vice president and chief of staff, Bell Helicopter.

Shipping a brigade of helicopters via boat or cargo aircraft to remote areas might take weeks, he said, but self-deploying enough FVLs to support a brigade would only take a few days.

Another requirement is that the FVL be able to be operated autonomously like an unmanned system, and be operated semi-autonomously.

All of the vendors' representatives said their FVL variants will be able to fly much faster, farther and carry more payload than today's helicopters, while retain-

ing the benefits of helicopters' ability to hover and maneuver.

## **FVL status today**

FVL can't yet fly today -- although it can on computer -- but it's getting there.

Pre-prototypes, known as demonstrators, are now being built by each of the four vendors. This would be analogous to a concept car in the automotive industry.

Each of the demonstrators has existing capabilities as well as experimental capabilities built into them, and each is being constructed in such a way that future technologies will be able to be incorporated into them, Bailey said. These are technologies that don't yet exist.

"All vendors have relevant designs and they're all working hard toward eventual flight test," he said. "We're at the critical point in our schedule where we'd love to take all four to flight test, but the financial situation will not allow us to do that, so we'll need to make a de-scope decision within the next 30 days or so."

Full-scope would mean all four vendors flight testing and de-scope means that won't happen.

"We'll de-scope to something less than all four for full flight test, but that should not represent that any of the four vendors have an un-viable design, configuration or

**Continued on Page 7**

**All vendors have relevant designs and they're all working hard toward eventual flight test.**

**Dan Bailey**

JMR-TD/FVL program director  
Redstone Arsenal, Alabama.

## **Exchange Homeward Bound Campaign Offers Sizzling Giveaways in July**

AAFES

The Army & Air Force Exchange Service's Homeward Bound campaign is heating up with a variety of giveaways to celebrate the homecoming of America's Warfighters and honor those who serve.

Military shoppers who visit the Exchange Facebook page at [www.facebook.com/AAFES](http://www.facebook.com/AAFES). BX.PX <<http://www.facebook.com/AAFES.BX.PX> can enter to win prizes throughout the month. Prizes include one of six \$5,000 Exchange gift cards courtesy of Burger King, through July 31; two chances to win a trip for two to Las Vegas, Nevada to watch the Mr. Olympia competition. Shoppers can enter July 7-14 to win a trip from Nutrex Sports Nutrition or from July 18-24 to win a package from lovate nutritional products; one of 10 \$750 Exchange gift cards, courtesy of GoPro from July 25-31.

For more information about upcoming Homeward Bound promotions, visit <http://www.shopmyexchange.com/homewardbound>

## **Exchange to give away two Smart cars**

Exchange

Summer is about to get sweeter as the Army & Air Force Exchange Service teams up with Welch's/Sour Jacks to offer two military shoppers a chance to drive home a brand-new Smart cars.

Through July 31, shoppers can enter the Promotion in Motion Smart Car Giveaway at Exchange locations worldwide for the chance to win one of two Smart cars, each valued at \$15,000.

"It's smart to enter this sweepstakes for a chance at a brand-new car," said Exchange Chief of Staff Col. Tom Ockenfels. "Military shoppers can stop by their nearest Exchange to fill out an entry form. It's that easy."

Authorized shoppers 18 years and older can enter the Promotion in Motion Smart Car Giveaway. No purchase is necessary, and the drawing will take place on or about Aug. 29.

For more information, visit the Exchange website at [www.shopmyexchange.com/ExchangeStores](http://www.shopmyexchange.com/ExchangeStores).



Graphic courtesy of Karem Aircraft

AVX Aircraft Company, Bell Helicopter, Sikorsky-Boeing Team, and Karem Aircraft all promise to build a Future Vertical Lift aircraft that is faster, more agile, can travel farther and cost less than today's helicopters. This particular variant is Karem's.

#### Continued from Page 6

opportunity for the future," he noted.

The timeline, Bailey said, is as follows: the materiel development decision will be made in late 2016, an analysis of alternative designs in 2017, and flight testing in late 2017.

#### **This is where it gets interesting**

If, say, two of the vendors don't go on to flight testing, that doesn't mean they're losers, in the normal sense of a Federal Acquisition Regulation-type contract where there's a down-select, effectively outing the vendor(s) who don't make the cut.

JMR-TD was designed under a Technology Investment Agreements contract, negotiated to run through 2019, so the vendors who won't go on to flight test -- in the decision that will be made in about a month -- will continue to develop their FVL variant and could still have a chance for final selection.

The services will harvest the science and technology research from all four vendors from now until 2019, and after that time, there will be a competitive acquisition process for the new FVL, Bailey said.

Technology Investment Agreements fall under Part 37 of DOD Grants and Agreements Regulations, and are designed to reduce barriers to commercial firms' participation in defense research, and to give DOD access to the broadest possible technology and industrial base research. Technology Investment Agreements also

serve to promote new relationships of technology companies and individuals in the defense and commercial sectors.

#### **Evaluation criteria**

Five top-level criteria are being used in evaluating the work performed by the vendors, Bailey said: science and technology gains for defense; how close and efficient their designs meet the model performance specification requirements; how well does their demonstrator aircraft validate the enabling technologies of that specification; have they executed on schedule and on time so there's confidence in their management going forward; and can they demonstrate the capabilities, skills and competencies to execute the demonstration.

The key to this stage in the science and technology efforts is to ensure our tools and competencies are ready for the program of record. There's a certain advantage to FVL not being a program of record yet, he added.

"What we can forgo is that 'requirements creep' that occurs typically after a program of record is started," he pointed out. "We've got the opportunity upfront to set the stage, get the competencies and tools correct so we go into the program of record with our eyes fully opened, knowing exactly what we're going to have coming out of that. We don't have to change it mid-stream."

Patrick Donnelly, director, JMR Program for the Sikorsky-Boeing Team,

said he could speak for the four vendors that "we're all investing over half of the [science and technology] costs required because industry has committed the resources to fly this aircraft. We're all confident we can fly this plane with resources available."

Hastings noted that FVL is important from the standpoints of keeping the industrial base viable for the military and from a national security perspective.

"It's absolutely essential we stay on track and fund these," Hastings said.

#### **A leap ahead**

Ben Tigner, JMR program manager and director for Advanced Systems Programs, Karem Aircraft, warned that "other countries are moving aggressively forward on vertical lift. It's been a long time since the rotorcraft industry has been challenged to produce" a next-generation aircraft.

"We've done incremental improvements for a long time and slowly lost our ability to generate revolutionary steps in favor of evolutionary steps," he added.

Vertical lift, from the time of its inception in Korea in the early 1950s, has changed the way that war is fought, said Bailey. That will continue to happen in the future and he said it must happen.

"As more and more people flock to urban areas" he said, "vertical lift capability will be absolutely essential. If we don't take a leap ahead in our vertical lift, then we'll be behind our adversaries."

# Scientists break new ground with 3-D printing composites

By **T'JAE GIBSON**

ARL

When Army research and development investments in additive manufacturing pay off, future Warriors who need hard-to-get devices, such as unmanned aerial vehicles or medical devices, may be able to print them on the spot.

Scientists from the U.S. Army Research Laboratory are searching for materials and technology to create multi-functionality. Larry R. Holmes is the principal investigator for the lab's additive manufacturing material and technology development.

"[The] DOD can't afford to wait for commercial industry to create this capability," Holmes said. "Industry doesn't inherently understand our specific needs without ARL research informing them."

Holmes received a patent for a novel additive manufacturing technology used to create micro-composites, which can be tailored for specific end-use applications that require high-strength lightweight materials. The Field-Aided Laminar Composite or FALCom process. He worked in collaboration with the University of Wisconsin-Madison to address the defense science and technology community's need for agile manufacturing of systems.

The process uses electric fields to align and orient particles within a polymer system at any location and desired orientation during the additive manufacturing of a three-dimensional object. FALCom allows for a high degree of design freedom, especially with weapon systems like rotorcraft, which are tight on space. Holmes said the process is used to support personnel protection programs and has garnered interest from the Rapid Equipping Force. The REF harnesses current and emerging technologies as solutions to deployed Soldiers' urgent needs.

"FALCom can be used to make multifunctional parts," Holmes said. "Anytime we can add multi-functionality, we are helping with space and weight savings. Embedded sensing, embedded heat-sinks and embedded electronics -- all of these things help with trade space. FALCom offers a way of making these types of things with regard to 3-D printing," Holmes said.

## Changing trends

Historically, 3-D printing has relied on commercially available materials like polymers, and it was used primarily for prototyping. For years, trends have moved toward total manufacturing, like building engine parts and robotic components with 3-D printing, said Dr. Jarret Riddick, a team lead within the ARL



Photo by Doug LaFon

Army researchers conduct case studies to optimize the processing parameters for different material depositions using a customized 3-D printer. Researchers like Ricardo Rodriguez hope to someday print large items like a Soldier's helmet with sensing capabilities embedded in hybrid materials, a potential solution they expect to optimize Soldier capabilities while reducing weight.

Vehicle Technology Directorate.

Riddick and Holmes, along with research engineer Ed Habtour, are among a cadre of scientists and engineers at Aberdeen Proving Ground investigating the development of materials and technologies that could be transitioned to industry or military program managers who make decisions about Soldiers' equipment.

"We can 3-D print structures with wiring, sensors or energy storage embedded in the structure," Habtour said. "It reduces weight."

Habtour uses 3-D printing to develop and transition technologies to other military organizations and small businesses based on the maturity of the technology.

Riddick said if these materials are to be used to manufacture real parts, as opposed to prototypes, the material properties must be well understood.

"The actual process of 3-D printing changes the properties," Riddick said. "For some processes involving metals, the temperature, spot size where the printer's laser points to melt the metal or the architecture, how the object is built one layer at a time, horizontally versus vertically, changes the material properties and performance."

## Creating new structures

Last fall, Army and Purdue Universi-

ty researchers, created a structure using brittle 3-D-printed materials with pseudo-ductile behavior, "which is somewhere between brittle and flexible," Habtour said.

Exploiting the pseudo-ductile behavior of logical structures, known as topologically interlocked structures, researchers showed improvements in energy absorption and dissipation, productivity and lower maintenance costs. The team developed computer models using commercial and open source code to provide an automated process for auto-generation of the geometries, models, materials assignments and code execution, Habtour said.

"The benefit for the Soldier is an aftereffect," Habtour said. "[It] would provide an excellent energy absorption and dissipation mechanism for future vehicles using additive manufacturing."

Army researchers used the fused deposition modeling 3-D printing process to create a structure with good energy absorption from materials that do not exhibit good absorption.

"Now we have a modeling tool, which wasn't available before," Riddick said. "We're planning to ultimately reduce maintenance and logistics burdens by being able to deploy the capability to produce the products for repair on-the-spot, rather than transporting

them from far-off locations."

## Measured response

Riddick said collaboration with Howard University is under way to build upon these results by measuring dynamic response of 3-D printed polymer materials fabricated with this process.

The Army Research Office funded Howard researchers to investigate high strain rate properties of materials. Results of testing show that dynamic response of the structures can be manipulated by 3-D printing.

"The challenges of moving additive manufacturing from a prototyping technique to an actual manufacturing capability are rooted in basic scientific research and fundamental advances," Riddick said.

"Additive manufacturing has the strong potential to increase the military's agility and efficiency but this is not exclusive to America," said Dr. Jeffrey Zabinsky, chief of the ARL Materials and Manufacturing Science Division.

Zabinsky said 3-D printing may also provide adversaries with capabilities they have not had in the past.

"We will need to close the gaps and stay several steps ahead of our adversaries," he said.

# APG teams start neutralizing Syrian chemicals

By **JIM GARAMONE**

DoD News

Sixty-four scientists from Aberdeen Proving Ground's Edgewood Chemical Biological Center aboard the U.S. Maritime Administration's Motor Vessel (M/V) Cape Ray have begun neutralizing Syrian chemical materials with equipment specifically designed for the project.

Along with U.S. military members, the civilian specialists aboard the ship are neutralizing the chemical materials in international waters, according to Army Col. Steve Warren.

The ship left Gioia Tauro, Italy, with 600 tons of chemicals.

"The Cape Ray is tasked with neutralization of specific chemical material from Syria," Warren said, noting that the teams are following United Nations and Organization for the Prohibition of Chemical Weapons guidelines.

If all goes well, he said, neutralization will take about 60 days. Weather could affect the process, he added.

The U.S. ship has two field-deployable hydrolysis systems in its holds. The systems mix the chemicals in a titanium reactor to render them inert.

"When neutralization is complete, Cape Ray will deliver the result effluent by-products to Finland and Germany for destruction ashore," Warren said.

Italian officials loaded 78 containers of Syrian chemical materials aboard the Cape Ray on July 2. The Cape Ray teams will neutralize HD sulfur mustard gas and DF, a sarin gas precursor.

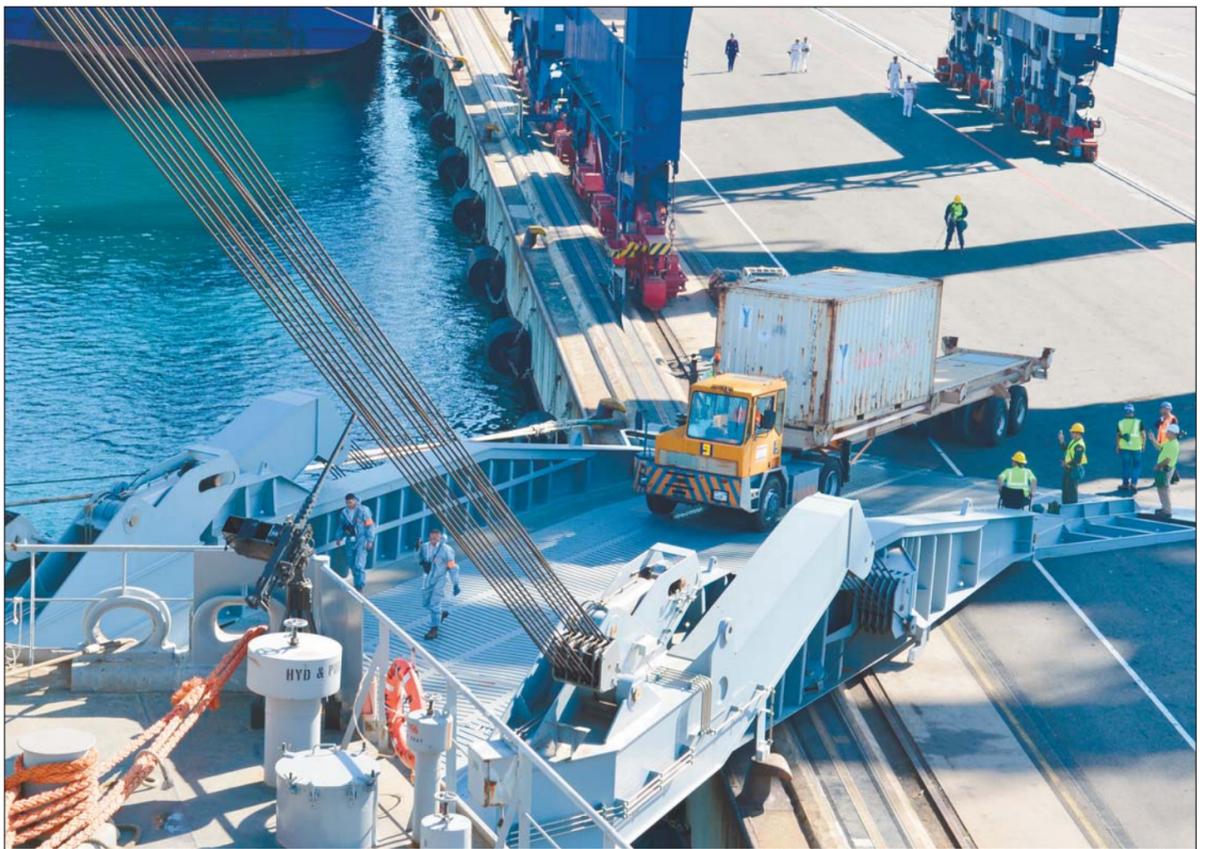


Photo by Seaman Desmond Parks

A mafi trailer operator for Medcenter Container Terminal transfers a container from the M/V Ark Futura, a Danish cargo ship, along the dock to the loading deck of M/V Cape Ray, July 2. The Cape Ray is tasked with the neutralization of specific chemical materials from Syria in accordance with the Organization for the Prohibition of Chemical Weapons guidelines while operating in international waters.

See more photos from events around APG <http://www.flickr.com/photos/usagapg/>

# MARK YOUR CALENDAR

## MONDAY-TUESDAY

### JULY 14 & 15 ECUMENICAL FAMILY VACATION BIBLE SCHOOL

The APG North (Aberdeen) chapel will host this year's Ecumenical Family Vacation Bible School events over two days: Monday, July 14, Movie Night, 6 p.m. Tuesday, July 15, Family craft/social, 6 p.m.

Registration forms are in the chapel lobby.

For more information, contact Joyce Wood at 410-278-4333.

## WEDNESDAY

### JULY 16 NEWCOMERS ORIENTATION

Team APG will host a Newcomers Orientation for military, Family members, civilians and retirees new to the area. All are welcome to attend and learn more about APG services. On and off-post organization representatives will be on hand to answer questions. Garrison directorates will include Kirk U.S. Army Health Clinic; client (legal) services; the Exchange (PX); Post Commissary; Directorate of Emergency Services; Army Community Service; the Army Substance Abuse Program; the Directorate of Public Works; APG Dental Clinic; the Directorate of Family and Morale, Welfare and Recreation; and Corvias Family Housing.

For more information, contact ACS at 410-278-7572.

## THURSDAY

### JULY 17 C4ISR HEALTH EXPO

The APG Community Health Promotion Council will host a Health EXPO 11 a.m. to 1 p.m. at the Mallette Mission Training Facility, Bldg. 6008. This event will include health screenings for vision, blood pressure, spinal scans and fat analysis and offer seated massage and advice on nutrition and tobacco cessation. Topics will focus on stress and weight management, financial wellness, sleep disorders, organizational skills, life insurance, physical fitness, dental care and more.

Guests can chat with representatives and view displays from the APG Army Wellness Center (AWC), Army Substance Abuse Program (ASAP), Family & Morale Welfare and Recreation (FMWR), and various health care providers. Door prizes and promotional giveaways will be featured.

For more information, contact Tiffany Grimes at 443-861-7901 or email [tiffany.l.grimes.civ@mail.mil](mailto:tiffany.l.grimes.civ@mail.mil).

## FRIDAY

### JULY 18 BOSS SUMMER ROCK PARTY

Better Opportunities for Single Soldiers (BOSS) will host a Summer Rock Party starting 5 p.m. at Bldgs. 4507/4509 on Susquehanna Avenue. Come celebrate summer and enjoy food, drinks, music and door prizes. Events include cornhole, pool, Call of Duty and Hotshots basketball tournaments and prizes and a bounce house.

This event is free and open to the public. For more information, contact Spc. Tracy Glover at 410-278-6903 or email [tracy.s.glover4.mil@mail.mil](mailto:tracy.s.glover4.mil@mail.mil).

## TUESDAY

### JULY 22 MRICD CHANGE OF COMMAND

Col. Bruce A. Schoneboom, will relinquish command of the U.S. Army Medical Research Institute of Chemical Defense to Col. Roman O. Bilynsky, during a 10 a.m. change of command and retirement ceremony at Bldg. E2900 in APG South (Edgewood). Schoneboom will retire from active duty.

For more information, contact Deborah Lee at 410-436-3276.

## FRIDAY

### JULY 25 DENTAL CLINIC CLOSURE

The Aberdeen Proving Ground Dental Clinic will close Friday, July 25 and resume normal business hours Monday, July 28. For more information, contact Spc. Crystal Thomas at 410-278-1798.

## FRIDAY

### AUGUST 15 OPERATION HOMEFRONT SCHOOL SUPPLIES

The Operation Homefront Back to School Brigade will distribute school supplies to eligible recipients 2 to 6 p.m. at a location to be announced. Eligible recipients include children of deployed, wounded and active duty service member in the ranks of E-1 through E-6. To register, or for more information, go to [www.operationhomefront.net](http://www.operationhomefront.net)

and click on "Upcoming Events." Users must create a profile to register. Identification of all children registered will be required the day of the event. For more information, email Operation Homefront representative Rosanne Coleman at [rosanne.coleman@operation-homefront.net](mailto:rosanne.coleman@operation-homefront.net).

## WEDNESDAY

### AUGUST 20 EMPLOYMENT RESOURCE DAY & EXPO

The ACS Employment Readiness Program will host an Employment Resource Day & Expo, open to all job seekers, 11 a.m. to 2 p.m. at the APG North (Aberdeen) recreation center, Bldg. 3326. Meet with local, regional, state, and national private and federal employers. Bring plenty of resumes; business attire is recommended. For directions, visit [apg.army.mil/directions/cfm](http://apg.army.mil/directions/cfm).

A valid driver's license, vehicle registration and proof of insurance are needed to access Aberdeen Proving Ground. Please obey all posted traffic speeds.

This event is the result of a partnership between the ACS ERP; the Maryland Department of Labor, Licensing and Regulation; Local Veterans Employment Representative (LVER); the Susquehanna Workforce; and the APG Military Personnel Office/Directorate of Human Resources.

For more information, call the ACS ERP at 410-278-9669/7572.

## FRIDAY

### AUGUST 22 DENTAL CLINIC CLOSURE

The Aberdeen Proving Ground Dental Clinic will close Friday, Aug. 22 and resume normal business hours Monday, Aug. 25. For more information, contact Spc. Crystal Thomas at 410-278-1798.

## SAVE THE DATE

### THURSDAY

### SEPTEMBER 18 HISPANIC HERITAGE OBSERVANCE

Team APG will host the Hispanic Heritage Month observance 10:30 a.m. at the Myer Auditorium, Bldg. 6000.

Judge Yolanda L. Curtin, Harford County Circuit Court, is the guest speaker. The theme is "Hispanics: A legacy of history, a present of action and a future of success."

For more information, contact Tracy Marshall, CECOM EOA, at 443-861-4366; Staff Sgt. Gloria Velasquez, ACC, at 443-861-5008; or Rose Satz, CERDEC, at 443-395-0419

## SATURDAY

### OCTOBER 18 MILITARY RETIREE APPRECIATION DAY

Save this date for APG's Annual Military Retiree Appreciation Day (RAD) to be held at the APG North (Aberdeen) recreation center. Registration begins 8 a.m. with the opening ceremony at 9 a.m. This year's guest speaker is John Radke, Chief of Army Retirement Services, Headquarters, Department of the Army. More details to follow.

### ONGOING HYDRANT FLUSHING THROUGH AUG. 4

The annual hydrant flushing at APG runs through Aug. 4. Flushing will be completed 7 a.m. to 5 p.m., Monday through Friday of each week. The schedule below is tentative and will be followed as closely as possible. The points of contact for this effort are Dennis Overbay, APG Directorate of Public Works, at 443-306-8910, [dennis.a.overbay.civ@mail.mil](mailto:dennis.a.overbay.civ@mail.mil), or City of Aberdeen representative, Roger Hall at 410-272-1449.

### THROUGH AUGUST 19 EDUCATION CENTER SUMMER SEMESTER

The Army Education Center on post college schedule for the summer

semester is as follows:

- Florida Institute of Technology, Through -July 25
- University of Maryland, Through Aug. 10
- Harford Community College, June 30 - Aug. 1
- Central Michigan University, July 9 - Aug. 19

For more information, contact the Army Education Center at 410-306-2042/2037.

## CPR, AED CLASSES SCHEDULED

The APG Fire and Emergency Services Division of the Directorate of Emergency Services has released its schedule for CPR and automated external defibrillator (AED) classes for 2014. Two classes will be held the third Wednesday of each month at 9 a.m. and 1 p.m. in the same location. July 16, APG North (Aberdeen) chapel Aug. 20, Edgewood Conference Center Sept. 17, APG North (Aberdeen) chapel Oct. 15, Edgewood Conference Center

Nov. 19, APG North (Aberdeen) chapel Dec. 17, Edgewood Conference Center

Class size is limited to 30 participants. For more information or to register, contact Mike Slayman, assistant chief of EMS, at 410-306-0566 or e-mail [michael.p.slayman.civ@mail.mil](mailto:michael.p.slayman.civ@mail.mil).

## ARMY WELLNESS CENTER OFFERING SERVICES AT APG SOUTH CLINIC

The Army Wellness Center is seeing clients at the APG South (Edgewood) Clinic, Bldg. E4110 twice a month. Clients can have metabolism and body composition assessments and other services without having to drive to APG North (Aberdeen). Service members and their Family members, retirees and Army civilians can make an appointment through the APG North AWC, or be referred by their unit or primary health care provider at Kirk U.S. Army Health Clinic. Upcoming APG South AWC dates are:

July 23 and 29; and Aug. 5, 14 and 27.

For more information, or to schedule an appointment call 410-306-1024.

## AIRBORNE HAZARDS & OPEN BURN PIT REGISTRY

VA encourages all Gulf War Veterans - anyone who served in the Persian Gulf area from August 1990 to present - to sign up for the Airborne Hazards and Open Burn Pit Registry which is established by Public Law 112-260. The registry provides an opportunity for veterans to receive information updates and to help VA improve its understanding of deployment-related health effects. During deployment, Gulf War veterans may have been exposed to smoke from burn pits, oil-well fires, and air pollution. Veterans must complete an online health questionnaire to participate in the registry. For more information, visit [www.publichealth.va.gov/exposures/burnpits/](http://www.publichealth.va.gov/exposures/burnpits/).

## INSIDE APG

APG commanders and subject matter experts will discuss topics of interest to the local community every Saturday and Wednesday at 7:50 a.m. during "Inside APG: Creating One Community Without a Gate," a monthly radio series on 970 WAMD. For more information about the series, to schedule or request an interview, call the Garrison Public Affairs Office at 410-278-1150. For previous interviews, follow these links: <http://youtu.be/a8vuMdxmG50>; <http://youtu.be/se7hTkwnbO8>

## 2ND INFANTRY DIVISION REUNION

The Second (Indianhead) Division Association is searching for anyone who served in the 2nd Infantry Division at any time. For information about the association and its 93rd annual reunion in Omaha, Ne. from Sept. 16 - 20, contact secretary-treasurer, Bob Haynes, at [2idahq@comcast.net](mailto:2idahq@comcast.net) or 224-225-1202.

## MORE ONLINE

More events can be seen at [www.apgnews.apg.army.mil/calendar](http://www.apgnews.apg.army.mil/calendar).

## CONSTRUCTION ALERT

### 300 Block Traffic Pattern Change

Traffic patterns will be disrupted July through September in the 300 block starting the first week in July to conduct steam line replacement work. This work will repair steam leaks emanating from steam vaults. Temporary fencing will define the staging area for pipes and equipment. Phase 1 fencing will be in place through Sept. 24. Phase 2 fencing will go up Sept. 25 through Oct. 15. Work began July 7. For more information, contact the Directorate of Public Works' Jeff Presgraves at 410-306-1848, [jeffery.a.presgraves.civ@mail.mil](mailto:jeffery.a.presgraves.civ@mail.mil); or Devon Rust at 410-306-1125, [devon.a.rust.civ@mail.mil](mailto:devon.a.rust.civ@mail.mil).

## CONSTRUCTION ALERT



# At your service

## Darcel U. Thomas

Military Personnel Specialist

Darcel U. Thomas is the first face you see when entering the Headquarters & Headquarters Company (HHC) Garrison office at Aberdeen Proving Ground. And she likes it that way.

"Because of where I sit, I set the tone," said Thomas, the military personnel specialist for HHC. "So I always want this to be a very welcoming, warm environment. We have a very family-oriented environment here."

The HHC provides administrative action, training support and deployment readiness to Soldiers of Garrison-supported commands assigned and attached to APG.

In her role, Thomas oversees the in-processing and out-processing of HHC Soldiers.

In May, she even in-processed Brig. Gen. Bruce T. Crawford, APG Senior Commander and Commanding General of CECOM.

"It was such an honor and privilege," she said.

Thomas also answers incoming phone inquiries, routes calls to various HHC staff members, and oversees the calendars of everyone in the office. In addition, she helps manage leave forms and maintains monthly accountability rosters and Soldiers actions, all while maintaining office files and archives.

A Philadelphia native, Thomas has worked for the Army since 2001. For more than eight years, she worked as an S-1 administrative assistant for the Joint Personal Effects Depot (JPED) at Dover Air Force Base, Del., which she described as a "highly moving experience."

"I like working for the military because I'm a very disciplined person," Thomas says. "I like when things have to be done in a certain way with certain instructions and guidelines. And I like helping others, especially military service men and women. I find it very rewarding to give back in

a small way in exchange for all that they're giving. I'm very grateful for what they do."

A mother of two and grandmother of three, Thomas says the best part of her job is working closely with her colleagues.

"It's a beautiful working environment, like having another family," she says. "You're here another day to make a difference. Every day, I learn something new. It's never the same routine."

Thomas admits that she sometimes has her down days. That's when she tends to be a little quieter and turns the gospel music at her desk up a little higher.

Like everyone, she says there are times when she feels a little overwhelmed by the workload.

"Some days, the multi-tasking has to be prioritized. Even if I have 10 things to do, I just have to sometimes dig in and pick the top three and focus."

"But I look at this job as a God-given gift," she said. "It's an honor and a blessing."

## Leave Donations Employees eligible for donations in the Voluntary Leave Transfer Program

To participate in the Voluntary Leave Program, use forms OPM 630, Application to Become a Leave Recipient Under the Voluntary Leave Transfer Program; OPM 630-A, Request to Donate Annual Leave to Leave Recipient Under the Voluntary Leave Transfer Program (within agency); and OPM 630-B, Request to Donate Annual Leave to Leave Recipient Under the Voluntary Leave Transfer Program (outside agency). For information, contact Joan Campbell at 410-278-5668 or joan.s.campbell.civ@mail.mil.

Adams, Dwayne  
Armstead, Richard  
Beall, Dawn  
Birch, Garfield  
Blethen, Lena  
Blethen, Matthew  
Bruner, Stephen  
Cannon, Marcy  
Clark, Lyra  
Cobb, Joyce  
Crawford, Curtis  
Cwiernie, Victoria L

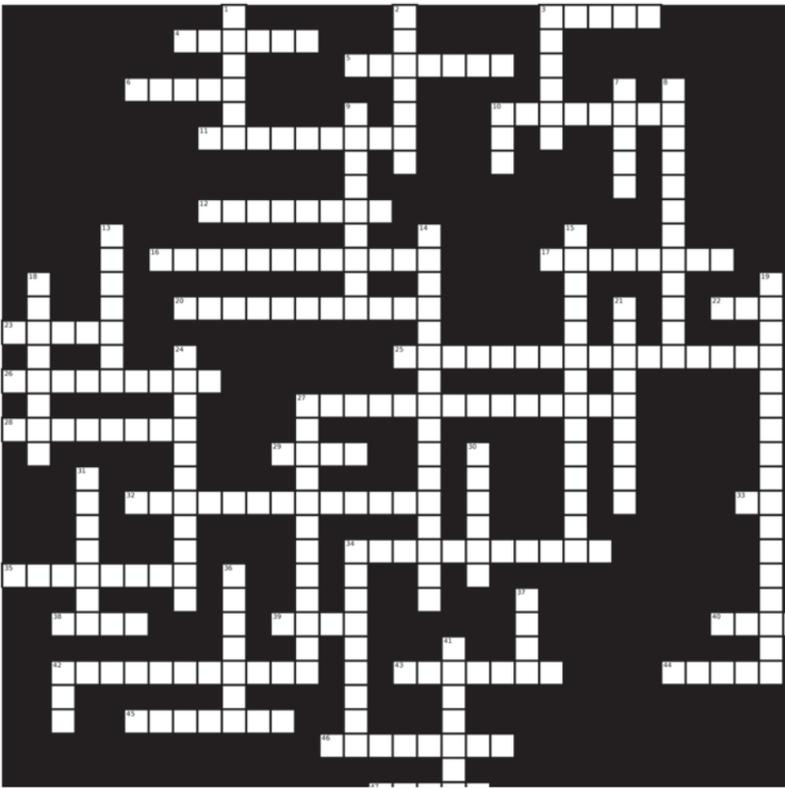
Deans, Theresa  
Donahue, Karen  
Donlon, Jacqueline  
Doran, Kemi  
Eberhardt, Joanne  
Evans, Doretha  
Fike, Curtis  
Gaddis, Lonnie  
Green-Farley, Jessica  
Gregory, Lisa  
Grimsley, Sylvia  
Hynes, Erin

Hoffman, William  
James-Stewart, Sonya  
Kennedy, Sandra  
K o n d u - J a m m a r ,  
Tyshon  
Lamar-Reevevey, Kellie  
Little, Angela  
Lowry, Teresa  
Malczewski, Stephen  
Martino, Rose  
Mason, Tonya  
McCauley, Adrienne

McClintick, Jill  
Nunley, Dana  
Parks, Denise  
Powell, Laura  
Robinson, Jennifer  
Robinson, Lisa  
Rodriguez, Pedro  
Rodgers, Christopher  
Rushworth, Robert  
Sheckelford, Angela  
Sherrod, Irving  
Small, Errol

Solomon, Je'Neane  
Stewart, Kathleen  
Sumic, Angie  
Sweeney, Joseph  
Taylor, Audrey  
Teigue, Sarah  
Terrin, Danielle  
Trulli, Wayne  
Urban, Brenda  
Williams, Demetria  
Winne, Janceen

## The APG Crossword



In honor of the recent Fourth of July celebration, we offer a test of random knowledge about American history. The completed puzzle will be published in next week's paper.

### Across

- State that was targeted as a German colony in the 1840s
- Maryland county where Frederick Douglass was born
- The Boston Tea Party was organized by the Sons of \_\_\_\_\_
- Abe Lincoln's mother's maiden name
- Home of the "Million Dollar Highway"

- Coined the phrase, "The Gilded Age"
- Middle name of Rutherford Hayes
- Dust Bowl balladeer who served in the U.S. Merchant Marine in WWII
- Surname of first southpaw U.S. president
- Only president to report seeing a UFO
- Number of people who signed

Declaration of Independence on July 4, 1776

- Surname of "Uncle Tom's Cabin" author
- Founding father, invented urinary catheter
- 1st president inaugurated in Washington, D.C.
- Only president who was a licensed bartender
- 1st president born a U.S. citizen
- Alabama fort where 1813 massacre took place during the Creek War
- Some Native Americans refuse to handle currency bearing his image
- Only vice president to ever write a hit song
- Michigan city known for producing breakfast cereals
- Betty Friedan's groundbreaking book "The Feminine \_\_\_\_\_"
- Type of paper on which the Declaration of Independence was written
- Fattest president (325 pounds)
- State where Thomas Alva Edison was born
- German-Jewish businessman who founded the first blue jeans manufacturer
- First name of President Grover Cleveland
- Surname of Mormon founder murdered by mob in 1844
- New York city where President McKinley was assassinated
- Shawnee leader who fought and died in the War of 1812
- John W. \_\_\_\_\_ is a Liberty Ship docked in Baltimore

### Down

- State with highest percentage of citizens who walk to work
- Bob Dylan's hometown in Minnesota
- Elvis Presley's hometown
- Uncle Dave \_\_\_\_\_ was the first star of the Grand Ol' Opry

- Played harmonica for hospital staff after being shot
- General sacked by President Truman during Korean War
- John Fogerty's old band
- Ohio is known as "the \_\_\_\_\_ State"
- Gave shortest presidential inaugural speech in U.S. history (133 words)
- Only president born on the Fourth of July
- Site of bloodiest day in U.S. history
- Wrote music for "The Star-Spangled Banner"
- Veep who killed Alexander Hamilton in 1804 duel
- Name of most famous massacre in Native American history
- Married to second U.S. president
- Route 66 is known as "the \_\_\_\_\_ Road"
- Jimi Hendrix's hometown
- City of first banjo mass producer
- State where Jefferson Davis was sworn in as Confederacy president
- Chester Alan Arthur was known as "The \_\_\_\_\_ President"
- First name of Baseball's first commissioner
- Surname of Confederacy's most beloved general

### Solution to the July 3 puzzle



## WORD OF THE WEEK

### Ramada

Pronounced: ruh-MAH-duh

**Part of Speech: Noun**  
**Definition:**

1. An open shelter, often having a dome-shaped thatched roof and installed especially on beaches and picnic grounds.



2. In the southwestern United States, a ramada is a temporary or permanent shelter equipped with a roof but no walls, or only partially enclosed. An example of a large modern-day ramada can be seen at the Casa Grande Ruins National Monument in Arizona, where it is used to protect ancient ruins.

By YVONNE JOHNSON, APG News

## ACRONYM OF THE WEEK

### DCSLOG

**Deputy Chief of Staff for Logistics**

The Office of the Deputy Chief of Staff of the Army G-4/Logistics is a directorate within the Army Staff led by a three-star general. Its mission is to enable a ready Army by providing and overseeing integrated logistics policies, programs, and plans in support of Army Force Generation. The DCSLOG mission is to be recognized as the preeminent source on the Army staff for relevant, value-added logistics expertise, and to actively engage in sustaining, preparing, resetting, and transforming the nation's Army in support of full-spectrum operations.

The current DCSLOG is Lt. Gen. Raymond V. Mason.

For more information, visit the DCSLOG site on Army.mil at <http://www.army.mil/info/organization/unitsandcommands/dcs/g-4/> or the HQDA G-4 Facebook site at <https://www.facebook.com/ArmyLogistics/info>.



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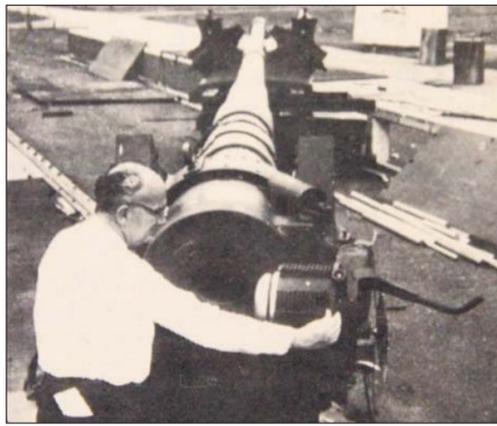
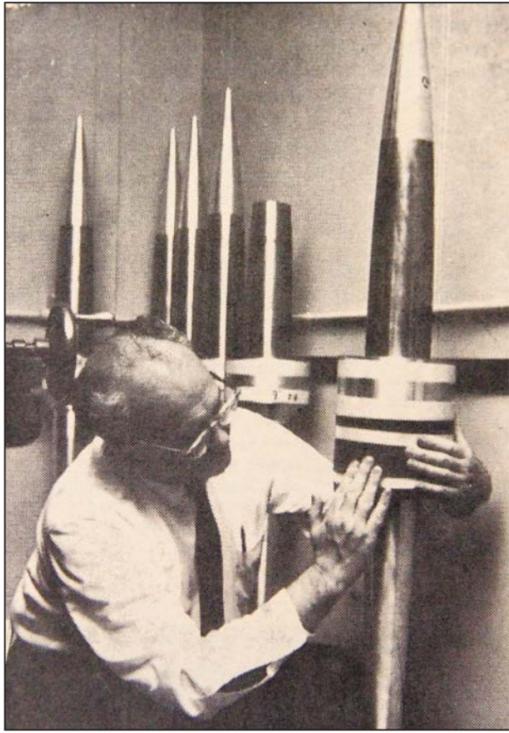
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# APG NEWS

## This Week in APG News history

By YVONNE JOHNSON, APG News



### 50 Years Ago: July 9, 1964

**Clockwise from left:**

The Center Sabot for the seven-inch HARP projectile now being tested to reach into the upper atmosphere is inspected by Dr. Charles Murphy.

The chevrons of a sergeant first class, the bar of a chief warrant officer and the silver bar of a first lieutenant being held by 1st Lt. George Bergstrasser, represents his rise from the enlisted and warrant officer ranks as he celebrates acceptance of his application for a commission.

Dr. Charles Murphy, a scientist with the Army's Ballistic Research Laboratory, inspects the breech block of the HARP (High Altitude Research Project), a seven-inch gun with a 55-foot barrel that should reach over 60 miles into the upper atmosphere for scientific measurement.

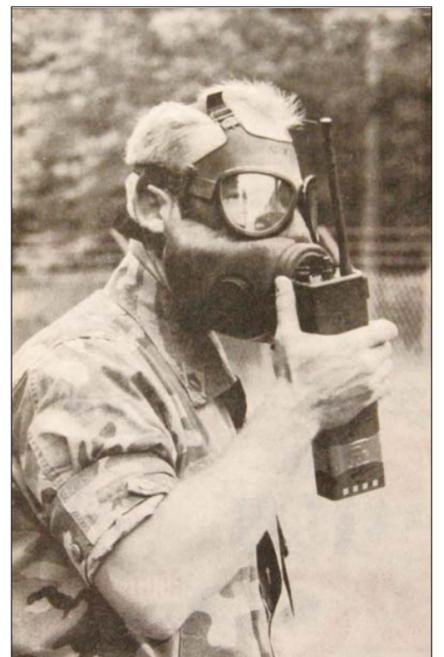
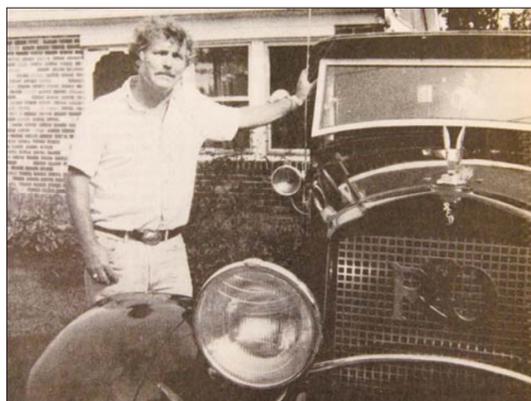
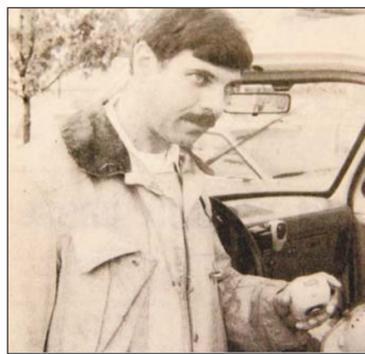
### 25 Years Ago: July 12, 1989

**Clockwise from top left:**

Charlie Jones, chief of the APG Fire Department, is ready to respond to another call from his truck. The department handles a variety of calls on post and assists Harford County fire companies off post.

Sgt. 1st Class Albert Rhodes of the Technical Escort Unit communicates with the command post while wearing his protective mask in a "contaminated environment" during a training exercise.

Roger Sayers, a sheet metal worker with the U.S. Army Chemical Research Development & Engineering Center, poses with his award-winning 1928 REO Fling Cloud, one of only 13 in existence.



### 10 Years Ago: July 8, 2004

**Clockwise from top left:**

(From left) Katie Wright, 11, Dominique Lacey, 13 and Rebecca Sandlain, 12, try their hand at diapering a "baby" during the Parents and Children Together (PACT) babysitting training course as Diana Hayes, a certified instructor with Army Community Service, observes.

(From left) Ron Kravitz, safety and occupational health specialist, shows Hailey Grealich, 3, and Meakah Modeste, 8, how to handle a snake during the Stand For Child Day event hosted by Family Child Care at the Maryland Boulevard picnic area.

The Marine Corps Detachment from the U.S. Army Ordnance Center and Schools marches down Union Avenue in Havre de Grace during the Fourth of July parade. The Marines marched in the Bel Air parade later that day.



Want to make a difference in how services are rendered at APG? Tell us how we are doing. Visit <http://ice.disa.mil>.

Click on "ARMY" then "Aberdeen Proving Ground."

# ECBC builds a better respirator

RDECOM

Soldiers, Marines, Sailors and Airmen all agree. They like the look and feel of the new M50 respirator.

Otherwise known as the Joint Service General Purpose Mask, the M50 was developed by the U.S. Army Edgewood Chemical Biological Center (ECBC) on behalf of the Joint Program Executive Officer for Chemical and Biological Defence (JPEOCBD).

The Army is now in the process of fielding more than a million of the masks to service members across all four branches.

"I noticed the difference between the M50 and the old M40 mask as soon as I put it on," said Marine Sgt. James Tuthill, a training NCO stationed at Air Station Cherry Point in North Carolina. "I train Marines to be prepared for chemical, biological and radiological hot zones, and this mask provides them with better visibility, easier breathing and greater comfort wearing it. And on top of all that, it just looks cool."

Many who used the M50 compared it to the Darth Vader mask from Star Wars. What gives it that look is the symmetrical filters on each side instead of just one for the M40, and a wrap-around visor rather than goggles for increased peripheral vision. The innovations do not end there.

The M50 has a silicon and butyl face piece that is flexible enough to fit all

face sizes from the second to the 98th percentile of the adult population. Its upgraded valve design makes breathing 50 percent easier. And, it is cheaper than its predecessor. Its production cost per mask, including filters, a mask carrier and a decontamination kit, is \$280.

Designing a truly inter-service respirator challenged the designers at ECBC to accommodate the differences in service uniforms -- including hoods, gloves and helmets -- and each service's internal communications gear.

Considered one of the most heavily tested pieces of personal protection equipment ever developed by the Department of Defense, the engineers and scientists of the Joint Service General Purpose Mask Team worked on refining it over the course of 15 years.

"We have been involved with every step of the design, validation, the testing and modification process, as well as filter testing and product quality and deficiency reporting," said Akanksha Raja, the team's systems and logistics engineer.

The Air Force has already received 345,448 M50 masks; the Marines received 131,289, and the Navy 274,333. When fielding them to the Army is completed in 2019, it will have received 1,245,978.

Meanwhile, the Joint Service General Purpose Mask Team is busy devel-



Courtesy graphic

A soldier wears an M50 mask with night vision goggles.

oping a Special Operations version of the M50, known as the M53. It has only one filter to allow for better shooting, and will be able to readily use blown air from an external source. This version is for known hot zones, and other federal agencies have expressed an interest in acquiring it.

ECBC already has technologies for the next generation respirator under design. Researchers are working to make it lighter and less bulky. The new design will also feature upgrades that allow

a flow of air into the nose cup and eye cavity of the mask to keep users cooler. They are also developing physiological monitors and sensors that will control fan speeds for the air based on the breathing demands of the user. The next generation respirator will also integrate the most advanced communications technology inside the mask.

Until that version is ready for fielding, Sgt. Tuthill can say with confidence, "I know that my Marines have a great new tool for war fighting."

# Army moving education content to cloud

Story and photo by **DAVID VERGUN**  
ARNews

Eighteen months ago, the U.S. Army Training and Doctrine Command began migrating education content to the dot-com cloud, a commercially operated bank of servers.

This is a significant step for several reasons.

The Army is currently a Common Access Card-enabled, Windows-based devices operating environment. That means Soldiers can't access much of the training and education content from home or other places when they're using non Windows-based mobile devices, said Helen A. Remily, TRADOC's, capability manager for the Army Distributed Learning Program, at Joint Base Langley-Eustis, Virginia.

The commercial cloud allows them a broader capability to access content via their personally owned devices, such as Apple iOS and Android mobile devices, Remily said.

"Given information-technology advances, Soldiers expect the ability to access learning content regardless of the type of mobile device they own," she said. "Today's generation of Soldiers and leaders have a high expectation of persistent access to learning content from a reliable network, independent of their location."

TRADOC Commander Gen. David Perkins, is behind the program.

Shortly after he assumed command in March, Perkins said, "During the downsizing of our force, it is critical to develop our leadership effectively."

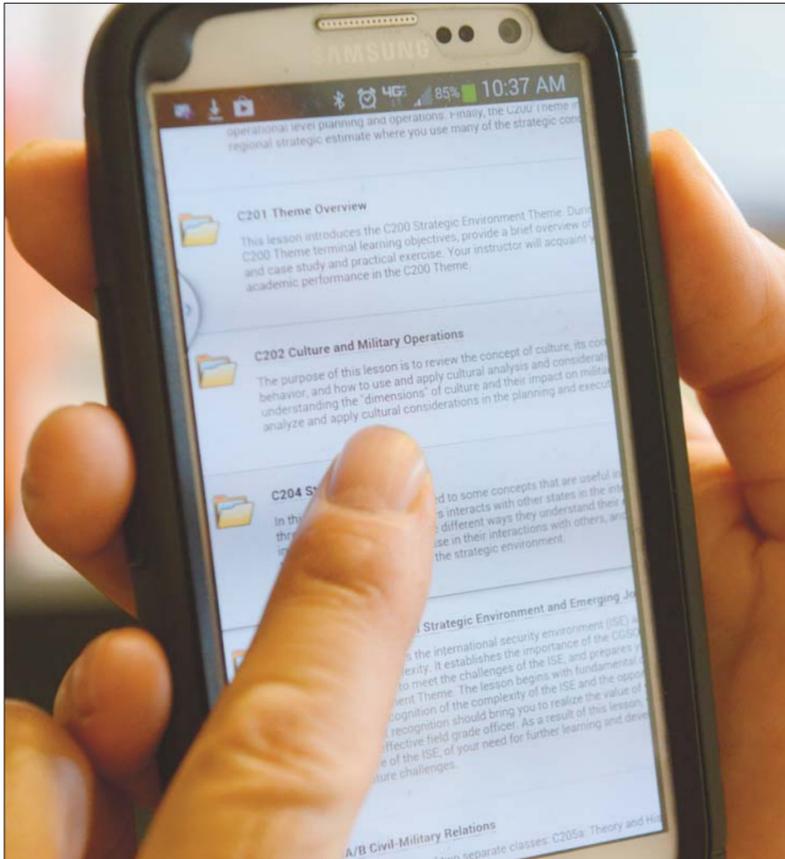
Leadership development and technical training are at the heart of TRADOC's mission, and delivering learning content to develop leadership competencies in the most efficient and effective way is critical, said Remily.

"That delivery just got a whole lot better."

## Migrating to Cloud

According to Remily, after conducting a 12-month proof of concept, which concluded in December 2013, TRADOC created a commercial cloud learning environment and migrated all of the non-sensitive distributed learning content for the Command and General Staff College at Fort Leavenworth, Kansas, to the commercial cloud. This has been a highly successful endeavor with approximately 5,000 students attending annually as part of their professional military education. It also has produced significant savings for the Army.

Within the next three months, the U.S. Army War College at Carlisle



The Army is a Common Access Card-enabled, Windows-based operating environment. That means Soldiers can't access a lot of education content from home or other places when they're using mobile devices.

Barracks, Pennsylvania, will migrate its learning content to the commercial cloud, and by the end of this calendar year, the U.S. Military Academy, West Point, New York, will also migrate content.

The future plan is for other Army schools to migrate learning content to the commercial cloud learning environment, Remily said, with discussions underway with the Army School of Music, Army Chaplain Center and School, the Defense Language Institute, and the Army Management Staff College, which oversees the Army's civilian education system. More will follow.

Students at the Command and General Staff College have already provided very positive feedback, she noted. They value the flexibility of distributed learning and being able to use their personal mobile devices. They also like the social learning aspect of having a dot-com learning environment with peer to peer interactions through threaded discussions, blogs, etc.

Many students who previously did not have a reach-back capability to access relevant content after graduation

now do, she added.

For example, Soldiers in the Individual Ready Reserve don't have CACs. Also, foreign nationals who attend schools often receive temporary CACs; however, they must return them after graduation from the Command and General Staff College and the War College. Before going to the commercial cloud, they did not have reach-back access to the content.

## Balancing security, access

Before coming to TRADOC, Remily spent most of her 32-year government career in military intelligence and counter-terrorism so she has an abiding appreciation for information technology (IT) security concerns.

She said TRADOC is working very closely with the [Army's Chief Information Office] community to help design and field an Army-persistent learning capability that doesn't compromise the network.

The Army Chief Information Office's "primary mission is protecting the Army's network, so they are risk-averse, as they should be," she continued. "Many of our adversaries are

tech-savvy and use technology against us as they don't have the regulations and laws that we must follow."

On the other hand, Remily said, content should be protected only at the level that's necessary and no more.

"There's no need to over-protect our content as this leads to challenges with accessibility of training and education products and material. It comes down to balancing accessibility and that of security and risk mitigation.

Moving education content to the cloud is actually good news for the Chief Information Office.

"Migrating content off of the Army's network automatically increases the operational network bandwidth because you don't have large packets of training and education information flowing back and forth across that network," she explained.

There's a lot of sensitive military occupational specialty-type training that won't go to the cloud, but in the future, it may be possible to do so as commercial cloud-computing has provisions for CAC-enabled authentication.

Despite a tight budget, the future for cloud migration looks promising.

Currently, the TRADOC Project Office for Mobile Devices, which is managing the integration of mobile computing throughout TRADOC, is only temporary.

Recently, TRADOC gained approval for a permanent office to manage the effort. It will be known as TRADOC's Capability Manager for Mobile and it will fall under the Army's Distributed Learning Program.

The new office, Remily said, will address policy, governance, infrastructure and devices. More importantly it will assist us in identifying mobile content (to include mobile apps) that should migrate and better enable accessibility via personally owned mobile devices.

Because of the resource issues, "we're re-purposing current positions" to establish the new organization, meaning no new hires.

"This is a big move for the Army," she said. "We'll start with TRADOC to get this right and then support other Army organizations."

Col. Charles Harris, TRADOC G-6 deputy chief of staff, added that the Army chief of staff's strategic priority is developing adaptive leaders for a complex world.

"The Army must seek solutions balancing national defense information security and the need for Soldiers' unlimited access to training and education content, products and services through mobile devices and adaptive wireless networks," Harris said.

# Second Army Performance Triad run set for August

Continued from Page 1

ager at Hoyle Gym, at 410-436-3375 or email byron.a.reasin.naf@mail.mil.

The Army Performance Triad program complements the DOD Operation Live Well campaign, the Army's Ready & Resilient Campaign, R2C, and the Comprehensive Soldier and Family Fit-

ness Program. Army Surgeon General and commander of the U.S. Army Medical Command, Lt. Gen. Patricia D. Horoho, implemented the Performance Triad program in 2013. The focus of the Army Performance Triad is the advocacy of sleep, activity, and nutrition as the fundamental building blocks for a

healthier and more resilient lifestyle.

The next Army Performance Triad run will be a 10 kilometer (6.2 miles) run and 5 kilometer walk in August. Time and location information will be announced at a later date. For more information, call 410-278-1773 or email joanna.t.moore.mil@mail.mil.



# Plan seeks to create culture of dignity

Continued from Page 1

gy to embed and integrate programs across the force.

“To change the culture, to create an Army where everyone is treated with dignity and respect, where people understand boundaries -- that takes time,” said Lt. Col. Geoff Catlett of Army G-1. “I think what we’re doing is setting the conditions to create culture change.”

## A culture of change

The Army is facilitating the culture change by improving and synchronizing its response systems by enhancing prevention, investigation, accountability, advocacy and assessment capabilities.

The Army has had a prevention strategy in effect since 2009, when it introduced “I. A.M. Strong” to the force, where the initials stand for “Intervene, Act and Motivate,” which focused on the importance of bystander intervention. Although marketing materials and messaging were created to get the word out, it was the release of the DOD Prevention Strategy that served as the impetus for a standalone SHARP Campaign Plan that operationalizes the lines of effort set forth in the Strategic Direction to the Joint Force on Sexual Assault Prevention and Response, Catlett said.

He added that the DOD Prevention Strategy gave Army leaders and the campaign team an opportunity to rethink how the program is discussed and to place greater emphasis on certain areas.

The campaign emphasizes prevention as a priority out of the five SHARP objectives.

“A lot of our training is geared toward education. We get a lot of young people coming into the military who don’t necessarily have a solid foundation on understanding boundaries between people,” Catlett said. “We try to educate young men and women of what it means to live in close proximity while treating each other with dignity and respect.”



U.S. Army graphic The Army recently codified the goals of its Sexual Harassment/Assault Response and Prevention program in a SHARP Campaign Plan. The Army SHARP Campaign plan provides a road map that illustrates the Army’s plans to synchronize actions across five lines of effort that are in alignment with the DOD’s Sexual Assault Prevention Strategy.

## Accountability

As for investigating assaults, the SHARP program assures victims that world-class investigators and prosecutors will take their case seriously in order to hold perpetrators appropriately accountable. However, there’s more to accountability than punishing offenders. Leaders are now being held to an even higher standard based on their actions or inactions with regard to SHARP.

“We are holding commanders responsible for their command climates and doing it in a way we’ve never done before,” Catlett said.

In addition to a more stringent directive on command climate assessments

that includes questions on SHARP and which are administered more frequently at the company-level on up, commanders now have a 360-degree assessment tool that is used to evaluate performance.

“The Army will use these surveys and metrics to gather data and track progress for the assessment portion of the program,” Catlett said.

## SHARP resource centers

The SHARP program is improving, enhancing advocacy lines of effort through a pilot of 11 new SHARP Resource Centers, a study to determine the feasibility of a separate military occupational specialty code for SHARP as well as a school house dedicated to pro-

fessionalizing those who serve as sexual assault response coordinators and victim advocates.

“It is a constantly evolving landscape.” Catlett said about responding to numerous congressional mandates.

“I am constantly inspired by how much this means to the secretary of the Army and the chief of staff of the Army. They genuinely want to see an end to this horrible crime in our ranks.” Catlett said. “And I think commanders want that too. We just have to continue to educate and be constantly vigilant.”

For more information about the Army SHARP program, go to [www.preventsexualassault.army.mil](http://www.preventsexualassault.army.mil).

# APG emergency responders practice worst-case scenario

Continued from Page 1

held routinely at APG -- was to enhance coordination, strategy and communication during crisis situations between members of the MTF staff and the Garrison’s Directorate of Emergency Services police, firefighters, emergency medical personnel and the Special Reaction Team (SRT).

In particular, the exercise focused on planning, preparedness and safety to enhance the capability of emergency responders to respond to an active shooter scenario and protect occupants’ lives in the process. The time and date were chosen because many workers in the building were expected to be absent due to the Fourth of July holiday.

“This exercise was very important for this building,” said Maria Layton, chief of CECOM’s Workforce Development Office, who was among the MTF workers who were “barricaded” in the building during the exercise.

“People come in and out of here all the time because it’s a training facility. It’s an unknown building for most people here. We can have a thousand people in here anytime, so we try to be aware all the time and tell people where they would evacuate to [in an emergency].”

“The fire department and EMTs and police are always very receptive and they’re always there for us,” she said.

“It’s important that we as a staff have all these drills and scenarios,” added Roger Chin of CECOM. “We want a culture of safety. This type of exercise gives these guys a familiarity with the buildings.”

At the start of the 45-minute exercise, a DES police officer, holding a faux automatic weapon, ran through the MTF lobby, repeatedly looking back and shouting, “Bang! Bang!” A team of five SRT officers entered the building, pursued him up a stairwell, trapped him in a second-floor closet and secured the area. At all times,

the officers remained in character and applied the appropriate actions and techniques to control the situation and neutralize the scenario.

The shooter, who was “wounded” in the chest, was kept on the floor and subdued by a group of officers and handcuffed while their colleagues searched the facility for other potential suspects.

“Subject is in custody and has been apprehended in Closet G2231,” one officer reported. “Subject has been wounded.”

The shooter was then carried by stretcher down to the first floor and outside to medical responders. Fire trucks, ambulances and other emergency vehicles filled the parking lot.

When the SRT officers and police gave the all-clear, fire and EMS personnel entered the facility to conduct triage on the “wounded” workers, using appropriate procedures and techniques to minimize suffering.

Several victims, like David Costigan, a CECOM contractor, cried out for help. A first responder asked him, “Sir, can you walk?” and a group of EMTs ushered him out to the parking lot, where EMS and fire department officials surrounded him.

Costigan’s “wound” was treated, and a cast and sling were applied to his right arm. Police and EMTs remained in the lobby of the building until officials were absolutely convinced that the situation was neutralized and that there were no other “shooters.”

“Building is secure,” one SRT officer said into his hand-held. Outside, the “shooter” and Costigan were still being treated for their “wounds.”

Afterwards, members of the various agencies and departments gathered in the

lobby to discuss what went right and wrong during the exercise. There was a consensus that just about everything -- radio communication, timing issues, stairwell sweeping, alternative scenarios, having extra officers outside of the building, etc. -- went according to plan.

“For what it was, I think we did everything fine,” one SRT member said to the group.

Scott Walters, an SRT officer who helped subdue the “shooter,” said he was pleased by the way the exercise unfolded.

“We always take our training very seriously,” he said. “We treat it like it was a real exercise and we train daily. It helps prepare us for anything. It’s a lot of work

“We always take our training very seriously. It helps prepare us for anything. It’s a lot of work but it’s worth it.”

Scott Walters  
APG Special Reaction Team

but it’s worth it, and this went pretty well.”

That sentiment was echoed by APG police officer Sgt. Jim Toscano.

“This was an active single shooter operation, and the guys did their mission,” he said. “They did it with aplomb, and it went well.”

After the exercise, Costigan said he was happy to

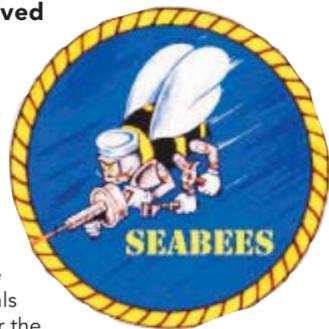
participate in such an endeavor. “It was definitely nice to see what all is involved with something like this and what to expect,” he said. “On the news, you just hear about what happened. You don’t learn about the SRT guys there who did their job and took care of the wounded. With something like this, you know you’re safe because you see how they go about doing things.”

He added that even though he knew it was only an exercise, he could still feel the adrenaline.

“When they walked in with their rifles and did their walk-through, I knew it was a drill but it felt very serious,” he said. “It wasn’t a video game to me.”

## DID YOU KNOW?

The Seabees have built bases, paved thousands of miles of roadways and airstrips, and accomplished countless other construction projects in a wide variety of military theaters dating back to World War II?



A Seabee is a member of the U.S. Navy Construction Battalion (CB). The word “Seabee” comes from the initials “CB”. The Seabees were established after the 1941 attack on Pearl Harbor. A permanent camp for supporting the Seabees was established at Port Hueneme, California in 1942.

Because of the emphasis on experience and skill, the average age of Seabees during WWII was 37.

Here are more impressive numbers regarding these unsung heroes:

- In the Pacific Theater during World War II, Seabees built 111 major airstrips and 441 piers, tanks for the storage of 100 million gallons of fuel, housing for 1.5 million men and hospitals for 70,000 patients.
- In Korea, Seabees cut a mountain in half to make way for a nearly two-mile-long runway. Cubi Point turned out to be one of the largest earth-moving projects in the world, equivalent to the construction of the Panama Canal.
- In Saudi Arabia during Operations Desert Shield/Storm, Seabees built 10 camps for more than 42,000 personnel; 14 galleys capable of feeding 75,000 people; and constructed 6 million feet of aircraft parking apron and runways as well as more than 200 landing zones. They also built and maintained two 500-bed Fleet Hospitals near the port city of Al-Jubayl.
- In Afghanistan, the Seabees’ main task has been the construction of multiple Forward Operating Bases for U.S. and coalition forces.
- Seabees continue to support every military branch during the nation’s conflicts as well as in peacetime; and assists state and federal emergency managers during natural disasters.

For more information, visit the online Seabee Museum at <http://www.seabeesmuseum.com/> or the official online magazine of the Seabees at <http://seabeejournal.navylive.dodlive.mil/>.

Yvonne Johnson, APG News

## APG NEWS

How are we doing?

E-mail comments and suggestions for the APG News to [usarmy.apg.imcom.mbx.apg-pao@mail.mil](mailto:usarmy.apg.imcom.mbx.apg-pao@mail.mil)

# APG SNAPSHOT

A peek at the events making news in and around U.S. Army Garrison Aberdeen Proving Ground. For complete photo coverage, visit <http://www.flickr.com/photos/usagapg/>.



Photos by Yvonne Johnson

## COMMUNITY UNITY: EDGEWOOD/JOPPATOWNE PARADE STARTS OUT APG STRONG

(Clockwise from top) Col. Gregory McClinton, commander of the U.S. Army Garrison, Aberdeen Proving Ground leads the march down Joppa Farm Road as the Grand Marshal of the Edgewood/Joppatowne Independence Day parade in Joppa July 5. Accompanying McClinton is Garrison Command Sgt. Maj. Jeffrey Adams and the 20th CBRNE Command color guard.; APG Garrison Commander Col. Gregory McClinton renders a salute and community members at the reviewing stand place their hands over their hearts as the national anthem plays during the Edgewood/Joppatowne Independence Day Parade in Joppa July 5.; Spc. Frantz Registe and the 20th CBRNE Command color guard present the colors during the Edgewood/Joppatowne Independence Day parade.



## BEAUTY, RELAXATION AROUND LESS THAN AN HOUR'S DRIVE FROM ABERDEEN

(Left) Guests watch an exciting fountain show on the terrace overlooking the Main Fountain Garden at Longwood Gardens in Kennett Square, Pennsylvania. This five-acre garden recirculates 10,000 gallons of water a minute and features 380 fountains, including a jet that rises 130 feet. (Right) The 61-foot tall stone Chimes Tower was constructed in 1929-1930 by business tycoon Pierre du Pont, the founder of Longwood Gardens. The lower half of the tower is open daily.

Photos by Rachel Ponder

