



APG NEWS

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www.TeamAPG.com

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Vol. 60, No. 45

inside

SERVICE

Following a month-long donations drive, a team from CECOM's SEC delivered toiletries and activity sets to veterans in long-term care at Perry Point VA Medical Center. **SEC | A3**

VETERANS

An APG civilian and Army veteran continues the legacy of selfless service by helping other veterans navigate available benefits and the claim filing process. **Continuing | A5**

MILCOM

Post leaders and subject matter experts various APG tenant organizations represented Team APG at the Military Communications conference in Baltimore, Nov. 1-3. **Talking | B1**

newsbrief

ARMY CELEBRATES AMERICAN EDUCATION WEEK

HUMAN RESOURCES COMMAND

American Education Week will be celebrated nationwide Nov. 13-19. This year, the Army Continuing Education System, or ACES, joins forces with educators from across the country to strengthen their resolve in providing quality education for Soldiers with the Army's theme, "Army Continuing Education-Investing in our Soldiers, Investing in the Future." This year's American Education Week includes a special observation of Education Support Professionals Day, Wednesday, Nov. 16.

ACES offers a variety of programs to help Soldiers establish and reach educational goals. Once a degree plan and eligibility requirements are established, Soldiers can apply for tuition assistance and enroll in classes anywhere in the world, 24/7, via the GoArmyEd portal at www.GoArmyEd.com.

Stop by the APG Army Education Center, Bldg. 4503, 2nd floor, for more information about ACES programs and services, or contact Tressie D. Stout at 410-306-2042 or tressie.d.stout.civ@mail.mil.

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'Boys, save the colors!'

Community honors Harford County's only Medal of Honor recipient

By **YVONNE JOHNSON**
APG News

BEL AIR, Md. - Harford County leaders and community members gathered Saturday, Nov. 5, to honor the county's sole Medal of Honor recipient during a memorial luncheon at Ames United Methodist Church.

Hosted by the Bel Air American Legion Post #55, the event included a historic presentation by Jim Chrismer, of the Historical Society of Harford County, who shared the biography of Civil War Sgt. Alfred B. Hilton of the U.S. Colored Troops.

APG Senior Commander Maj. Gen. Bruce T. Crawford served as guest speaker and APG Sgt. Audie Murphy Club Soldiers served as Color Guard. The event's honored guest was one of Hilton's living descendants, Joyce Byrd, who still lives in Harford County.

Chrismer said Hilton, who was assigned to Company H, 4th U.S. Colored Troops, was killed during the Battle of Chapins [or See **HILTON**, page 7



U.S. ARMY PHOTO BY YVONNE JOHNSON, APG NEWS

American Legion Post 55 Commander Godfrey Clayton, second from left, closes the Sgt. Alfred B. Hilton Memorial Luncheon as, from left, Ricardo Jefferson of Post 55; APG Senior Commander and guest speaker, Maj. Gen. Bruce T. Crawford; and Henry Allen, Post 55 member and CECOM civilian look on during the ceremony honoring Harford County's sole Medal of Honor recipient at Ames United Methodist Church Nov. 5, 2016.

Finding her niche

APG civilian takes home MWR arts and crafts award

By **LAUREN FINNEGAN**
APG News

Anyone who knows Wendy Cline knows that it's rare to find her sitting still and doing nothing. Cline, a program analyst with the U.S. Army Research, Development and Engineering Command, even uses a standing desk at work and her idea of relaxation for her means cutting, soldering, and grinding glass on her back porch to produce stained glass artwork.



Wendy Cline

Cline, recently won third place in the "Glass Art" category of the 2016 Army Morale, Welfare and Recreation Arts and Crafts Contest. She took up the hobby one year ago and won with the fourth work she has ever produced - a sign entitled "Welcome to the Lodge." The annual contest is open to active duty Soldiers, family members, retirees, and Department of the Army civilians.

A native of Harford County, Cline said she decided to try her hand at the art after she got tired of looking at her unfinished kitchen cabinets. The cabinets were destined to have



COURTESY PHOTO

Army civilian, Wendy Cline, won third place in the novice "Glass Art" category of the MWR Arts and Craft Contest. The annual contest is open to all active duty Soldiers, family members, retirees, and army civilians.

special milk glass inserts, but her husband broke them before they could be installed. With that goal in mind, she signed up for a stained glass class offered at Harford Community College.

She said her passion for the craft was not

instantaneous, however. After the first two classes she considered quitting, but stayed with it because of her self-proclaimed "hard-headed stubbornness."

"Learning to cut glass is not easy," Cline See **ARTIST**, page 7

Cabins at Shore Park open for reservations



U.S. ARMY PHOTO BY LAUREN FINNEGAN, APG NEWS

DOD ID card holders and APG contractors can now reserve one of five new cabins at Shore Park. The cabins each sleep 10 and include eat-in kitchens, flat screen TVs, and full bathrooms. For reservations or more information, call Outdoor Recreation at 410-278-4124/5789/2134/2135/2432 or visit the APG Morale, Welfare and Recreation website at www.apgmwr.com.

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STREET TALK

COMMANDER'S CORNER

Honoring their legacy

Why is it important to honor military veterans?

We should honor those that served and are currently serving, for the sacrifices they and their families have made.



Anont Koonkongsatian
USAPHC

Veterans are cool. They are multi-talented, well-educated, well-traveled and fearless. They are kind of like super-heroes.



Jim Ungvasky
USMC veteran

They should always be treated with respect. Veterans are special, they took time out of their lives to make our country safe. Not many people are willing to do that.



Madison George
Family member

They are willing to give their lives for their country.



Nicole Harris
USAF veteran

Veterans made so many sacrifices, they risked their lives to help keep our lives safe.



Helen Pringle
Military spouse

On Veterans Day, we pause to honor the legacy, patriotism and sacrifice of all the men and women who've served proudly in the Army, Navy, Air Force, Marine Corps or Coast Guard.

Throughout our storied past of over two centuries, our patriotic legacy of securing peace and freedom has centered around our ability to reflect on those who serve on behalf of all we stand for as a nation. Our veterans are the "trusted professionals" who wear or have worn the cloth of the nation in



MAJ. GEN. BRUCE T. CRAWFORD
APG Senior Commander

service. We pay tribute to them and their family members for being the less than one percent of citizens who made the fateful decision to offer their time and very life, if necessary, to secure our rights as Americans and to give those abroad the same hope and opportunity that we once fought for.

Our small debt of gratitude is to continue to provide them and their families the best opportunities available as an initiative and tribute to their status of being

"Soldiers for Life."

In the Army, we call them "Soldiers for Life" because they maintain a special bond with the Army, their community and their family even after they take off the uniform. They set the standard for what it means to be a Soldier and continue to give in their communities often serving as teachers, doctors, engineers, community leaders and first responders.

Together I ask you to join me in honoring those who served, those who gave their all and those that are forward deployed in our defense.

Trusted Professionals Always, Army Strong!



Federal Benefits Open Season

Health Dental/Vision Flexible Spending Accounts
Enroll ▶ Make Changes ▶ Cancel ▶ Renew FSA

www.opm.gov/openseason

Nov. 14 - Dec. 12, 2016

Open season begins Nov. 14

APG CIVILIAN PERSONNEL ADVISORY CENTER

Federal Employees Benefits Open Season will be held Nov. 14 to Dec. 12.

This is the time to enroll for Federal Employees Health Benefits, called FEHB, Flexible Spending Account, or FSA, and Federal Employees Dental & Vision Insurance Program, known as FEDVIP.

Federal Employees Health Benefits

FEHB, comparison guides are no longer produced. Individual FEHB brochures can be found on the OPM website at <https://www.opm.gov/healthcare-insurance/healthcare/>. Individual brochures are often available by individual carriers at health fairs on post.

The new FEHB rates for 2017 can be found online at <http://www.opm.gov/healthcare-insurance/healthcare/plan-information/premiums/>. New brochures and rates should be posted on the site by the first week of November.

To enroll for FEHB, you must use the Army Benefits Center-Civilian (ABC-C) at

<https://www.abc.army.mil> or 1-877-276-9287. No elections can be made with the Civilian Personnel Advisory Center or with hard copy forms.

Flexible Spending Account

Enrollment and reenrollment for flexible spending accounts can be made during Open Season. FSA accounts do not automatically continue; individuals must re-enroll for 2017. Information about FSA can be found at safeds.com or by calling 1-877-372-3337. Individuals cannot use BEN-FEDS to enroll in the FSA program.

Federal Employees Dental & Vision Insurance Program

Elections or changes to dental or vision insurance must be made through the FEDVIP benefits portal at www.benefeds.com or call 1-877-888-337. First time users will be prompted to create an account. The site will also ask the individual about his or her FEHB plan. If making an open season change to FEHB, individuals should list the new plan.

Information about dental insurance, visit

www.opm.gov/dental. For more information about vision insurance, visit www.opm.com/vision.

FEHB Health Fairs

APG will host two Federal Employee Health Benefits Health Fairs. The first will be Nov. 15 at the APG North (Aberdeen) recreation center from 9 a.m. to 1 p.m. The second will be Nov. 17 at the APG South (Edgewood) recreation center from 9 a.m. to 1 p.m. Health benefit carriers will be available to answer questions and provide 2017 health plan materials.

Any changes made during Open Season will go into effect Jan. 8, 2017. Individuals should check their Leave and Earnings Statement on Feb. 2, 2017 to make sure open season elections took effect.

Open Season information is also consolidated on the ABC webpage at <https://www.abc.army.mil/FederalBenefitsOpenSeason.html> and the OPM website at www.opm.gov/openseason.

For additional questions, contact Teri Wright at the APG Civilian Personnel Advisory Center at 410-278-4331 or Teresa.lwright28.civ@mail.mil.



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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."

See Something

Cut along dotted lines and fold in middle for use as wallet reference Card.

Provided by the INTEL DIV/DPTMS

Say Something

INSTALLATION WATCH CARD

DO OBSERVE & REPORT

- Suspicious activity or suspected surveillance.
- Unusual questions or requests for information relating to capabilities, limitations, or operational information.
- Unusual vehicles operating in or around APG.
- Unusual phone calls, messages, or e-mails.
- Unusual contacts on or off post.
- Unusual aerial activity near or around installation.
- Any possible compromise of sensitive information.



INSTALLATION WATCH CARD

DON'T

- Discuss any aspect of military operations or planning.
- Discuss military capabilities or limitations.
- Discuss FP measures, capabilities, or posture.
- Disclose information about R&D and testing.

Report suspicious activity immediately to APG Police!



APG (North & South):
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Off Post in Maryland call
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Card created by APG Intel

APG NEWS

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

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SEC A team visits veterans at Perry Point

BY MARY B. GRIMES
CECOM

On any given day, members of the U.S. Army Communications-Electronics Command, or CECOM, Software Engineering Center, SEC, Army Reprogramming Analysis Team-Program Office also known as ARAT-PO, at APG can be found engaged in their mission of developing and distributing software used by globally-deployed Soldiers to defeat threats in their operational environment. Not just a software engineering organization, the SEC ARAT-PO provides a threat analysis, software development and testing, and product distribution capability relatively unique in the Army.

Recently, however, a team of SEC ARAT-PO personnel went above and beyond its mission-directed activities. Lending a helping hand to those in need, the team launched a toiletries and activities donation drive to benefit the Perry Point VA Medical Center in Perryville, Maryland.

According to Jennifer Brooke, SEC ARAT-PO program assistant, the donations represented nearly a month-long collection effort aimed toward giving a little something back to veterans who have given so much in service of the nation.

"We collected five boxes of hygiene products, stationary, and art and activity sets," Brooke said. "Even after our initial cutoff date, donations continued to flow in — giving us close to 400 items for personal use by veterans under long term care at Perry Point."

Joining Brooke on the visit were colleagues Joe Skarbowski and Rick Hines. Escorts and hosts for the visiting CECOM crew were "Colleen" and Joyce Kuwae, a voluntary service specialist, at the medical center.

Housed on an estimated 400 acres of land on the banks of the Susquehanna River, the Perry Point VAMC facility once functioned as a general hospital that provided care for patients with various disabilities.

According to a Maryland VA website, Perry Point was turned over to the U.S. Public Health Service March 3, 1919 for the hospitalization of War Risk beneficiaries and as a storage depot for surplus hospital supplies for the Army. The first hospital building, a two-story structure located in the village, was converted to accommodate 75 patients.

The website further points out that today, the medical center offers an extensive range of inpatient, outpatient and primary care services. Said to be the largest inpatient facility in the VA Maryland Health Care System, it also provides inpatient medical, intermediate and long-term care programs, including nursing home care, rehabilitation services, geriatric evaluation and management, and respite, chronic ventilator and hospice care.



(From left) Members of the CECOM SEC ARAT-PO team Joe Skarbowski, Jennifer Brooke, VA volunteer guide "Colleen," and Rick Hines were instrumental in helping with the distribution of donated personal items for U.S. military veterans at the Perry Point VA Medical Center in Perryville, Maryland.

With care at the center of its existence, the unbridled act of kindness by the CECOM SEC ARAT-PO team, only adds to the facility's longstanding practice of proudly serving others.

"While at the center, we visited each room at the facility," Brooke said. "We were able to talk with many veterans as we handed out the items we had collected."

According to Brooke, the visit to the Perry Point facility allowed the SEC ARAT-PO team to meet veterans of every branch of service, and of all ranks.

"We even met a man who has three Purple Hearts for his service in Italy during World War II. Every person that we met was truly thankful and appreciative of what we were doing. It was a humbling experience for me that these brave men were thanking us—while all we wanted to do was thank them," she said.

"Near the end of the visit, we met another gentleman in the dining area. After shaking his hand and thanking him for his service, he told us that he would do it all over again



Members of the CECOM SEC ARAT-PO collected an array of items for U.S. veterans at the Perry Point VA Medical Center in Perryville, Maryland.

because he loves his country. For me, this man truly embraced and lived the Army Values of Loyalty, Duty, Respect, Selfless-Service, Honor, Integrity, and Personal Courage."

Donated items that were not distributed were stored for later use, or taken to the

occupational therapy room. By all accounts, the drive was a great success.

While the visit to the Perry Point VAMC was a first for the SEC ARAT-PO team, drive organizers said it is not likely to be their last.

"We're hoping to make this an annual event," Brooke said.

ACRONYM OF THE WEEK

AILO

American Indian Liaison Office

The American Indian Liaison Office, known as AILO, provides guidance to National Park Service, or NPS, field and program managers to enable interaction with American Indian tribes and Alaska Natives on a government-to-government basis. The office provides guidance concerning Indian self-determination, tribal self-governance, environmental review, land restoration, free exercise of religion, sacred sites, and traditional cultural properties. AILO assists in reconciling programs, policies, and regulations, with traditional uses of NPS lands by American Indians, Alaska Natives, and Native Hawaiians.

The AILO helps resolve tribal concerns regarding park units, park lands, and park resources; and collaboratively develops policy and guidance on matters of mutual tribal-park interest.

It also collaborates with other Department of Interior bureaus to develop department and government-wide guidance on issues involving tribal governments. AILO participates in international efforts to join with indigenous peoples to achieve common natural resource and cultural heritage preservation goals.

Source:
<https://www.nps.gov/history/tribes/ailo.htm>





Hampton National Historic Site

Mansion was once largest private home in U.S.

BY RACHEL PONDER
APG News

The Hampton National Historic Site in Baltimore County, provides a glimpse into 18th century aristocracy in America

The 63-acre Hampton National Historic Site preserves a portion of the estate that was owned by the immensely wealthy Ridgely family from 1745 until 1948. The site includes the historic mansion, the overseer's house, slave quarters, several farm buildings and exhibits.

"The site tells us about American history," said National Park Ranger A. Anokwale Anasesemfo.

According to Anasesemfo, about 40,000 people visit the site each year.

Hampton Mansion

The Hampton Mansion, built between 1783 and 1790, was modeled after opulent aristocratic homes. When it was completed, it was the largest private home in America, and it served as the family's summer residence for six generations. Due to its size and beauty, the Hampton Mansion was referred to as, "A Palace in the Wilderness."

According to the U.S. National Park Service, or NPS, the mansion is considered to be one of the finest examples of Georgian architecture in the U.S. In fact, in 1948, it became the first site the NPS selected as a National Historical Site for its architectural significance.

According to Anasesemfo, the 24,000 square foot mansion has changed very little since the mid-19th century. About 95 percent of the artwork and artifacts displayed in the mansion are original.

"They [the Ridgely family] were ex-



U.S. ARMY PHOTO BY RACHEL PONDER, APG NEWS

Hampton Mansion's "music room" features furnishings accumulated by several generations of Ridgelys.

tremely wealthy, like Bill Gates and Warren Buffett wealthy," Anasesemfo said.

During the 19th-century, the estate was revered for its formal gardens. Today, guests can tour the "Falling Garden," which has been restored to resemble its appearance during the 1820s.

Powerful family

According to Anasesemfo, the Ridgelys prospered in iron production, agriculture and investments. The Hampton estate grew from the 1,500 acres purchased by Col. Charles Ridgely in 1745, to 25,000 acres by 1829.

Anasesemfo said Ridgely workers

included indentured servants, convict laborers, prisoners of war and enslaved Africans and African-Americans.

The third owner of the estate, Charles Carnan Ridgely, who served as the governor of Maryland, owned more than 300 slaves, making Hampton one of the largest slave plantations in Maryland.

"[By visiting the Hampton National Historic Site] you can see how this country developed, how people would have lived, the haves and have nots," she said, adding that the farm and slave quarters also offer insight into the daily lives of slaves.

Special events

Hampton hosts several special events

throughout the year. During "Holidays at Hampton," Dec. 10 and 11, guests can listen to live music while learning about Hampton holiday traditions from 1790 to the modern-day era.

About Hampton

The Hampton National Historic Site is located at 535 Hampton Lane, Towson, MD 21286. The historic buildings are open for tours Thursday-Sunday, 9 a.m. to 4:30 p.m. The grounds are open daily, from 8:30 a.m. to 5 p.m.. Admission is free. For more information call 410-823-1309, visit <https://www.nps.gov/hamp/index.htm>, or search "Hampton National Historic Site" on Facebook.

Continuing a tradition of selfless service

Veteran assists other vets navigating benefits, claims process

By **YVONNE JOHNSON**
APG News

She's an industrial hygienist with the Army Public Health Center and a full-time wife. Somehow, she also finds time to explain benefits and filing procedures to veterans as an assistant department service officer, or ADSO, with the Veterans of Foreign Wars.

She's also an American veteran, and that explains a lot.

A native of Norfolk, Virginia, Cindy Smith joined the Army at age 17 after completing accelerated course work in high school. Her career was accelerated as well.

Smith signed up for the Signal Corps and attended basic training at Fort Dix, New Jersey in 1990. After advanced individual training at Fort Gordon, Georgia, Smith was assigned to Karlsruhe, Germany, with the 63rd Signal Battalion.

Four days after she arrived in Germany, her boots were on the ground in the Saudi Arabian desert in support of Operations Desert Shield/Storm. After Desert Storm, the 63rd relocated to Fort Gordon, Georgia, briefly, before heading to another hot spot – Mogadishu, Somalia. There, she served as a small switchboard operator stationed with a medevac unit.

"That was even more challenging," Smith said. "But one cool part was patching helicopter pilots to phones so they could call their wives. They would have conversations while they were in the air. It was like a morale boost."

Smith was awarded a Bronze Star Medal after Somalia but she insists she "didn't do much."

One night when the encampment was under fire from RPGs being "lobbed over the fence," one hit her generator.

"I ran out there to do backup procedures to try to save it," she said, "when a guy comes running up and attacks the fire with a fire extinguisher. We worked on it together. It was kind of funny because he was only wearing boxer shorts and flip flops. They told me later he was the Task Force Commander."

Smith turned 21 on the plane heading home from Somalia and she didn't learn about the medal until she arrived at her next duty station at Fort Stewart, Georgia.

It was 1998. Smith left the service but was recalled from 2002 to 2004 to support Operation Enduring Freedom in Afghanistan. She changed from signal to preventive medicine and earned a bachelor's degree in environmental management from the University of Maryland University College and a master in occupational safety and health from Columbia Southern University.

The former staff sergeant also switched to warrant officer in 2008.

Smith started helping fellow veterans as a Veterans Benefit Specialist with the State of Maryland but said she continued after leaving their employment.



COURTESY PHOTO
Cindy Smith and her husband Marc pose for photos in front of an Apache helicopter at the U.S. Army Aviation Museum during her Warrant Officer Selection Course graduation at Fort Rucker, Alabama in 2008. In her free time, Smith helps veterans understand their benefits and filing procedures.

She said she "ran into so many friends or fellow veterans who were having problems."

She said she was surprised at the amount of veterans, as well as their survivors, who didn't understand their benefits, didn't realize the programs and services they were eligible for, and had no idea how to file claims. And there weren't a lot of places to go for help.

"Technically, I started doing this in 2005," she said, noting that she didn't fully dedicate herself to it until after another deployment in 2012.

"I wanted to continue what I started," she said.

Smith became an accredited ADSO with the Veterans of Foreign Wars and started a walk-in service at the VFW Post 5337 in Abingdon. After two years, she extended the service to American Legions Post 135 in Perryville and American Legion Cecil Post 15 in Elkton.

Along with one-on-one counseling sessions, she hosts seminars and workshops; she frequently appears as a subject matter expert at veteran-related gatherings; and she is on the VFW Post 5337 website where customers can set up individuals or group appointments. Smith will even make home visits for those with limited mobility.

Her days can run long. She might not get home until 11 p.m.

The plus: her husband Marc, a former Edgewood Soldier and current Department of State civilian, supports and aids her self-made mission. He is her teammate, she said, in a game that sometimes seems endless.

"No matter how much I do I still find so many veterans or beneficiaries who are unaware of their benefits," Smith said. "I started this because I believe if you can educate the veteran population then they can help themselves."

"I'm not getting paid for this," she added. "What keeps me going is I love when things work out."

It helps to have extensive knowledge of filing laws and procedures.

"It isn't like the information is lying around. You have to look it up, then advise people of their options and follow through," she said. "There are so many instances where I've helped people receive benefits or back pay that was owed to them that they didn't even know about. But it's not like the VA is hiding this information. You just have to know where to go or who to ask for answers."

"A good outcome," she continued, "is when the veteran feels they got their due. My goal is to get them the max they're entitled to under the law."

Smith said she'd like to be thought of as

"just a kindly vet; not a miracle worker."

"My first rule is, 'Do no harm,'" she said. "You have to take responsibility of the evidence that's required which is different for each situation."

She said with a library of law books and regulations at her disposal she can inform veterans quickly if what they want is not attainable.

"Some of them don't want to hear this and they get mad and walk out, but I'd rather be honest with them up front and not waste their time, or mine," she said.

"I had a great teacher, who taught me 'A veteran is a veteran,'" she added. "He said people make the mistake of trying to get the vet to relate to them when they should be trying to relate to the vet."

"I saw how he treated people and I promised myself I would always treat people the way I would like to be treated. I deal with some characters, but I treat everyone the same."

"If you had the skill sets to help someone have a better life, wouldn't you? I just want to be thought of as someone doing good. I think that makes all the difference."

For more information or to make an appointment, contact Smith at 443-504-3576; visit www.vfw5337.com and click on "Service Officer;" or email serviceofficer.vfw5337@gmail.com.

COMMENTARY

One of the 'Faces Never Forgotten'

By **ROGER TEEL**
APG Civilian

Panel 35W, Row 20 -- I'll never forget the first time I found the name associated with the number. My sole mission that day was to find my friend's name on "The Wall."

It was early June 2000, during my first visit to the Vietnam Veterans Memorial in Washington, D.C. My fingers trembled as I scanned the registry for the name of my boyhood neighbor and friend, Bobby Jantz.

My heart raced when I arrived at Panel 35W. I quickly counted down 20 lines, then ran my finger across the names before finding my friend.

There he was: Robert W. Jantz.

Bobby is one of the 58,307 men and women who made the ultimate sacrifice during the Vietnam War. Their names – their memories – are enshrined on The Wall, which was dedicated on Nov. 13, 1982.

Visitors to The Wall can see their reflection simultaneously when looking at the names. It's the design of American architect Maya Lin and is meant to symbolically bring the past and present together.

Finding my boyhood friend's name did that for me, as I looked at his name and reflected back to the 1950s, when I first met Bobby. He was an older kid, three years older, who lived just down the street. He was a polite boy who always had something nice to say and always had a smile on his face.

In those early years, Bobby and I, along with the other neighbor kids, were always playing some form of baseball, usually until our parents yelled for us to come home, well after it was too dark to see a baseball coming at you. This was how we spent many long summer days in the small western Kansas town of Syracuse.

Bobby loved baseball. We were always playing games of catch or pepper or pickup games with makeshift bases in the open field between our houses where they later built the new Catholic Church.

Twice a week we played "official" Little League games on the diamond behind the high school athletic field. I played on the "farm team" in preliminary games before Bobby took the field with his team.

I distinctly remember watching Bobby play. He always looked sharp in his Little League uniform, usually pitching or playing

infield.

He was my earliest real life hero; someone I always looked up to. He was the friend I needed in those early years after having lost my older brother and father in a boating accident when I was five.

Bobby Jantz was there for me.

Once he entered high school, Bobby grew up quick. He ran in different circles then, and our lives drifted apart. His boyish grin gave way to a young man's good looks. He was terrific in sports – football, basketball or track and field – but his first love was baseball. And he shared that love with me.

So many wonderful boyhood memories washed over me as I knelt beside The Wall looking at my friend's name. Tears shot out of my eyes and the lump in my throat made it impossible to speak.

A Veterans Day project this year led me to the words of Joe Galloway, the Vietnam War correspondent who co-authored the book, "We were Soldiers once – and young;" Galloway calls the names on The Wall "Faces Never Forgotten."

Going to The Wall for the first time was one of the toughest things Galloway ever did. He said it took him a several years to walk up to the wall and see the names.

"The details are sometimes very hard," he said of his first visits to the wall when he remained distant, looking at The Wall from afar.

He broke into tears as he recalled the first time he faced it.

"I came to Panel 3E East with 305 names," he said, his voice cracking with emotion. "Because of our research I knew every one of them. I knew every one of them... and I knew his family... and I knew what his dreams were. And I just froze. I probably stood there 45 minutes – I couldn't move."

"Very hard," Galloway said. "Very hard," tears streaming down his face.

There are 58,307 names on The Wall and there are millions of people who have some tie to one of those names.

"You drop that rock in the water," Galloway said, "and the ripples that reach out from it go very, very far indeed. There are people who will cry themselves to sleep every night for a lifetime over one of those names."

As I stood and walked away from Panel 35W Row 20, tears still running down my



COURTESY PHOTO
Warrant Officer Robert Wayne Jantz, June 24, 1947 – Jan. 2, 1969

cheeks, I remembered how my community had grieved over Bobby's death in January 1969. He was an Army warrant officer, a Huey helicopter pilot shot down in Hua Nghia Province, one of the 4095 pilots, crew members and observers lost in Vietnam. Bobby was 21 years old at the time of his death.

Syracuse named the Little League field where we played in his honor – Bob Jantz

Field. I always thought that was an appropriate thing to do.

Bobby Jantz was my boyhood friend...and my hero. But in truth he was much more than that. His was a Face Never Forgotten for many people, especially those from the little town of Syracuse.

Mr. Galloway is right, the details are sometimes very hard. It is important that we remember them.

Medal of Honor recipient chose to lead

HISTORY, *From page 1*

Chaffins] Farm, Virginia, Sept. 29, 1864. The battle was part of the Siege of Petersburg.

Hilton had the responsibility of carrying the national colors, or flag, for his regiment on the front line – a highly visible and thus dangerous task. A fellow Soldier carried the regiment's colors. Chrimer explained that regimental flags were important morale builders that Civil War soldiers treated with great reverence; they would fight to the death to protect them from capture by the enemy.

According to Hilton's Medal of Honor citation, "when the regimental color bearer fell, this Soldier seized the color and carried it forward, together with the national standard, until disabled at the enemy's inner line."

When Hilton took up the colors, Chrimer said, he rallied his unit to continue on their mission to seize the enemy's position.

"He shouted, 'Boys save the colors!'" Chrimer said. "Four memorable words."

Hilton was mortally wounded during the battle and died a month later, just in his early twenties, on Oct. 21, 1864. On April 6, 1865 he was posthumously awarded the MOH for his actions at Chapins Farm. Hilton is buried at Hampton National Cemetery, Hampton City, Virginia.

A Soldier for Life

One of as many 15 children, Hilton was born in the 1830s or 1840s, to former slaves Isaac and Harriet Hilton. At the time, Harford County has a population of about 23,000 people; that number included approximately 3,500 free African Americans and 1,800 slaves.

According to historical reports, Hilton was illiterate and had no particular life skills beyond working on the farm owned by his family. With few prospects, he joined the Union Army in 1863. Few other confirmed facts about Hilton's life exist, and he is one of only two Medal of Honor recipients with no known photograph.

It is these humble beginnings, the drive to serve the nation and an act of bravery when faced with adversity that inspired Crawford during his remarks.

Crawford compared Hilton's act to those of modern-day service members and acknowledged the Soldiers and veterans in the audience, as well as several Hilton descendants. He said the Army Values of loyalty, duty, respect, selfless service, honor,



COURTESY PHOTO

Soldiers with Company E, 4th U.S. Colored Troops stand for a photo at Fort Lincoln, Nov. 17, 1865. Harford County's only Medal of Honor recipient, Sgt. Alfred B. Hilton, was a member of Company H, 4th USCT. No known photo of Hilton exists.

integrity and personal courage were as applicable then as they are today.

"During the most important moment of his life, he chose to lead," Crawford said, "until he fell mortally wounded. And when on the ground, his thoughts were on the colors and not himself. Sometimes ordinary people do extraordinary things."

He described the valiant efforts of Hilton – as well as the service members who came before and after him – asking the audience to never lose sight of the sacrifices made by the men and women who wear the cloth of the nation.

Crawford echoed the 39th Army Chief of Staff Mark A. Milley's key priority of "taking care of the Troops," in the fact that each day we must keep foremost in our minds the Army's Soldiers, civilians and their families because the Army's collective strength, both then and today, depends on its people—both their mental and physical resilience.

"Don't ever take for granted what you have," Crawford said. "Soldiers are not in

the Army. They are the Army, and they are the heart and soul of the greatest nation on the planet."

Plans for a memorial

Post #55 officers assisting the program

included Henry Allen, a contractor with the U.S. Army Communications-Electronics Command; Jan Michael Graine, of the APG Garrison's Directorate of Public Works and former APG contractor Ricardo Jefferson.

They said the program was the start of an effort to erect a memorial to Hilton.

"When I first heard about [a Harford County MOH recipient] I felt some way, something must be done," Allen said. "He's as deserving as any other MOH winner. That's really what this is all about."

Noting the presentation of several proclamations by dignitaries during the program, he said,

"A lot of people are already on board." "The work is not done," he added, "But we plan to continue to educate the public and interact with county leaders to learn what needs to be done to honor this Harford County hero."

Other guests of the program included Maryland State Senator Robert Cassilly; States Attorney Joe Cassilly; Mary O'Keefe, representing Congressman Andy Harris; LaWanda Edwards, representing Harford County Executive Barry Glassman; Harford County Council members Curtis Beulah and Jim McMahan; Bel Air Town Commissioner Philip Einhorn; and Carolynn Baker, commissioner of the Maryland Veterans Commission.

In 2002 Harford County rededicated Gravel Hill Park, north of Havre de Grace, as Alfred B. Hilton Memorial Park.

During his remarks, Crawford summed up the day's event with a quote by President Calvin Coolidge who said, "The nation that forgets its defenders will be itself forgotten. As Americans we don't forget those who gave their all."

Artist encourages patience

ARTIST, *From page 1*

said. "I spent a lot of time breaking a lot of glass in the wrong place [but] nothing worthwhile is easy."

Her persistence paid off, when Cline decided to take on the welcome sign for her friend's 50th birthday, that won her third place.

That project is made up of 96 individual pieces selected with the help of fellow artists at her studio from nearly 300 pieces of glass. In total, "Welcome to the Lodge" took 50 hours to complete.

Cline said it took all the patience she had to create her award-winning piece.

"I'm not patient with everything. I know what the outcome is with this, and I know if I continue to put the time into it, that I'll get what I want out of it," she said.

Besides creating stained glass artwork, Cline crochets, designs scrapbooks, makes apple butter, cans produce, has dabbled in basket weaving and has learned how to install solar panels.

To others who are thinking about taking up a hobby, she advised, "Try different things until you find what you like. Never quit learning."

She said she is already gathering information to learn new skills in the future.

APG had two other MWR Arts and Crafts Contest winners.

A TEC civilian Thomas Jones received first- and second-place awards in the wood category, and retiree Akira Merchant won third place in the ceramics category.

WORD OF THE WEEK

Remonstrate

Pronounced: ri-MON-streyt
Part of Speech: Verb

Definitions:

To present and urge reasons in opposition
To say or plead in protest, reproof, or opposition
To point out; to show clearly; to make plain or manifest

Examples in common use:

Before the workers could remonstrate, the foreman adjusted the work calendars to exclude Thanksgiving and Christmas.
He was prepared to remonstrate to the judicial panel but the execution was carried out while he was enroute.
She was not afraid to remonstrate when the assignments seemed burdensome or redundant.

By Yvonne Johnson, APG News

Sources: www.dictionary.com; www.merriam-webster.com

MARK YOUR CALENDAR

EVENTS & TOWN HALLS

TRAVELING VIETNAM VETS EXHIBIT AT ABINGDON LIBRARY

NOVEMBER 15 – JANUARY 2
Harford County will host the Maryland Public Television Salute to Vietnam Veterans Traveling Exhibit at the Abingdon branch of the Harford County Public Library. The 16-paneled exhibit features both current day and wartime images of 16 Maryland men and women along with their recollections of incidents during the Vietnam War. The Abingdon library branch, located at 2510 Tollgate Rd., is open Monday and Wednesday 10 a.m. until 8 p.m.; Tuesday and Thursday, 1 to 8 p.m.; Friday and Saturday 10 a.m. to 5 p.m. and Sunday, 1 to 5 p.m.

AMERICAN INDIAN HERITAGE MONTH OBSERVANCE

NOVEMBER 17
Myer Auditorium, Bldg. 6000. 11 a.m. Theme is "Serving our Nations." Smithsonian Curator Dennis Zotigh will serve as guest speaker. Native American food tasting will follow the presentation.

MEETINGS & CONFERENCES

'STATE OF THE CONGRESSIONAL BUDGET' HOT TOPIC FORUM

NOVEMBER 17
6175 Guardian Gateway; 11:30 a.m. to 1 p.m. Hosted by the Defense Acquisition University. Will be broadcast via VTC in the APG DAU facility. Kate Kaufer, a professional staff member supporting the Senate Appropriations Committee subcommittee on Defense, will address the congressional enactment process, with a focus on the appropriation process. She will also provide a status on the FY17 appropriation process. This training forum provides 2 Continuous Learning Points for government employees in attendance. To register to attend the forum students must contact Ben Metcalfe at benjamin.metcalfe@dau.mil or 410-272-9471 before Nov. 15.

FY17 GARRISON EEO FACE-TO-FACE TRAINING

DECEMBER 7
Ball Conference Center, 9 to 10:30 a.m. and 1:30 to 3 p.m. Open to all garrison employees. For more information, contact Charles Gilmore at charles.l.gilmore3.civ@mail.mil or 410-278-0130.

EEO/HR FOR IMCOM SUPERVISORS

DECEMBER 8
Bldg. 3147, 8 a.m. to 4:30 p.m. Registration is required for IMCOM supervisors/managers assigned within last 90 days. For more information,

contact Charles Gilmore at charles.l.gilmore3.civ@mail.mil or 410-278-0130.

FAMILY & KIDS

U.S. AIR FORCE HERITAGE OF AMERICA BAND PERFORMANCE

NOVEMBER 16
APG Federal Credit Union Area at Harford Community College. 7 p.m. Free concert will have Veterans Day theme. Tickets are required for admission. Visit tickets.harford.edu or call 443-412-2211 to reserve a seat.

THANKSGIVING LUNCH & ADVENT WREATH MAKING SOCIAL

NOVEMBER 27
APG South (Edgewood) chapel, noon. For more information, contact Joyce Wood at 410-278-4333.

PROTESTANT CHRISTMAS CANTATA FLYER

DECEMBER 11; 15; 18
Dec. 11, APG Main Post Chapel at 10:15 a.m.; Dec. 15, APG Main Post Chapel at 7 p.m.; Dec. 18, Perry Point VA Medical Center in Perryville at 2 p.m. The APG Chapel's Protestant Choir will present "Mary, Did You Know" as the Christmas Cantata. For more information, contact Joyce Wood at 410-278-4333.

HEALTH & RESILIENCY

HOLIDAY HEALTH INFO SESSION

NOVEMBER 15
Bldg. 6000, Myer Auditorium. 11:30 a.m. to 12:30 p.m. Open to all. Session explores how to stay healthy over the holidays, from food swaps to managing stress. For more information contact Tiffany Grimes at 443-861-7901 or tiffany.l.grimes.civ@mail.mil.

BLOOD DRIVE

DECEMBER 1
APG South (Edgewood) recreation center. Starts at 9 a.m.

HEALTHY LIFESTYLE INFO SESSION

DECEMBER 8
Bldg. 6001, Fl. 2, Room 224; 11:30 a.m. to 12:30 p.m. Open to installation employees, contractors, and military. Session has theme of "Tuning into the Ease of Life, Not Dis-ease Info Session. For more information contact Tiffany Grimes at 443-861-7901 or tiffany.l.grimes.civ@mail.mil.

ANNOUNCEMENTS & MISCELLANEOUS

Thanks Giving ON THE BAY

NOVEMBER 17, 2016
11 AM - 1:30 PM
TOP OF THE BAY, BLDG 30
\$9.95

AUTHENTIC THANKSGIVING MEAL WITH FREE DESSERT. ENJOY CARVED TURKEY, GOURMET MASHED POTATOES, HOMEMADE STUFFING, FRESH BAKED SIGNATURE ROLLS, AND MORE.

FOR MORE INFORMATION CONTACT CASEY.E.VINCENTI.NAF@MAIL.MIL

ALTERNATIVE WORKSPACE DISPUTE SEEKS MEDIATORS

APPLICATION DEADLINE NOVEMBER 9
Training for new Alternative Workplace Dispute Program mediators has been changed to Dec. 12-16 and the application deadline has been extended to Nov. 9. Individuals interested in becoming mediators should email Cathy Davis at cath.a.davis4.civ@mail.mil or Ria Johnson at valaria.r.jonson.civ@mail.mil.

COMBINED FEDERAL CAMPAIGN

THROUGH DECEMBER 15
The Combined Federal Campaign at APG runs Oct. 1 through Dec. 15. This year's installation goal is \$300,000. Make a

Difference, Be a Hero. For more information about the campaign or how to donate, contact Sgt. 1st Class Tameka Dixon at Tameka.d.dixon@mail.mil or 410-278-3549.

APG SOUTH 2016 WATER MAIN FLUSHING

The APG South (Edgewood) 2016 water main flushing schedule is as follows: Through September: E3000-E4000 area; Oct. through Dec.: E5000 area; Nov. 10-12: APG South housing area, Austin Road. For more information, contact Robert Warlick at 410-436-2196 or robert.w.warlick2.civ@mail.mil.

MORALE, WELFARE & RECREATION



Upcoming Activities

Learn more about APG MWR activities and services by going online at www.apgmwr.com.

SAVE THE DATE

HOLIDAY BAZAAR

NOVEMBER 16
APG North (Aberdeen) recreations center, 10 a.m. to 2 p.m., vendors to feature home decor, jewelry, gifts, baked goods and much more. Door prizes and giveaways. For more information, call 410-278-4011.

THANKSGIVING ON THE BAY

NOVEMBER 17
Top of the Bay, 11 a.m. to 1:30 p.m. \$9.95 per person. Authentic Thanksgiving meal with free dessert. Enjoy carved turkey, mashed potatoes, homemade stuffing, fresh baked signature rolls and more. For more information, email casey.e.vincenti.naf@mail.mil.

SKATING AT ICE WORLD

NOVEMBER 20
Ice World in Abingdon, 12:55 to 2:55 p.m. Civilian Welfare Fund to host free ice skating event. Skate rentals are available for \$4.00. For more information call 410-436-4467.

APG SOUTH TREE LIGHTING & HOLIDAY CELEBRATION

DECEMBER 2
APG South recreation center, 5:15 to 8 p.m. Event includes tree lighting, snacks, carolers and pictures with Santa. For more information, go to www.apgmwr.com or call 410-278-4907.

APG NORTH TREE LIGHTING & HOLIDAY CELEBRATION

DECEMBER 5
Corvias Community Center, 5:15 to 8 p.m. Event includes tree lighting, snacks, carolers and pictures with Santa. For more

information, go to www.apgmwr.com or call 410-278-4907.

LEISURE & RECREATION

CABINS AT SHORE PARK NOW TAKING RESERVATIONS

OPEN NOVEMBER 10
Reservations are now being accepted with check-in on Nov. 10. Three-night minimum on holiday weekends, two-night for normal weekends. Visit www.apgmwr.com for more information, or call 410-278-4124/5789/2134/2135/2432.

"A CHRISTMAS STORY" MUSICAL DISCOUNT TICKETS

DECEMBER 11
Hippodrome Theater, Baltimore, 6:30 p.m. Upper balcony seating, \$39 per ticket. Visit MWR Leisure Travel Services to purchase tickets. For more information, call 410-278-4011.

BINGO

MONDAY & WEDNESDAY
APG Bowling Center; early bird games at 6 p.m., session program at 7 p.m. Eight session games paying out \$50 each. Two nightly jackpots paying out \$200 and \$500. For more information, call 410-278-4041.

CHILD & YOUTH SERVICES

SURVEY AVAILABLE

THROUGH NOVEMBER 14
Have a child enrolled in elementary school in Edgewood? Interested in transportation for your children? Take this CYSS survey through Nov. 14: <https://www.surveymonkey.com/r/2XMLWJL>.

FAMILY MOVIE NIGHT

NOVEMBER 18
APG South (Edgewood) recreation center. 6 p.m. Free movie night featuring "Nine Lives." Option to bring your own food. For more information, call 410-278-4011.

QUARTERLY CYSS PARENT ADVISORY BOARD MEETING

NOVEMBER 30
APG South (Edgewood) youth center, 11:30 a.m. to 12:30 p.m. Parents with children currently enrolled in a CYSS program are encouraged to attend. Any family who has a child enrolled in a full time CYSS program will receive two parent participation points. For more information call 410-278-2572 or email myria.i.figueroa.naf@mail.mil.

CREATIVE CANVAS

DECEMBER 2
Bldg. 2407, 6 to 8 p.m. SKIES Unlimited will guide youth and adult through step-by-step painting. Open to 1st through 12th grade students and their parents. Parent participation is required. Supply fee is \$25, includes one youth and 1 adult. \$10 per additional child. For more information, contact shirelle.j.womack.naf@mail.mil or call 410-278-4589/3250.

BOWL WITH SANTA

DECEMBER 17
APG bowling center, 1 to 3 p.m. Open to APG community. Kids bowl for free with Santa. Limited space available. For more information, contact Richard Burdette, 410-278-4041.

STRONG BEGINNINGS, PRE-SCHOOL AND KINDERGARTEN OPENINGS

Participants must be registered with the Parent Central Office. Fees are based on the total family income. For more information, contact the Parent Central Office at 410-278-7479.

ARMY COMMUNITY SERVICE

KEEPING THE HOLIDAYS IN PERSPECTIVE

NOVEMBER 16
Bldg. 2503, 11 a.m. to 1 p.m. Session provides tools and techniques to prepare a positive mindset during the stressful holiday season. Bring a smooth-sided glass jar to create a Gratitude Jar to help build positive emotion all year long. Brown bag lunch. Registration is required. For more information, or to register, contact Sarah Polanco at 410-278-2464 or sarah.polanco.civ@mail.mil.

VOLUNTEER MANAGEMENT INFORMATION SYSTEM TRAINING

NOVEMBER 17
DECEMBER 15
Blog. 2503, 11 a.m. to noon. Whether a new volunteer or someone who has volunteered for years, it's never too late to register as a volunteer on VMIS. VMIS allows users to apply for volunteer positions on or off post, track all volunteer hours (regardless of location) retain volunteer information, training and awards, and receive recognition at the annual Volunteer Recognition Ceremony. Bring your own laptop (optional) to register on the spot. For more information, or to register, contact Sarah Polanco at 410-278-2464 or sarah.polanco.civ@mail.mil.

INNOVATION

at Aberdeen Proving Ground, Maryland

www.TeamAPG.com

THURSDAY, NOVEMBER 10, 2016

Vol. 60, No. 45

inside

RESEARCH

ARL scientists are experimenting with various coatings, all with a goal to make sand slide off a helicopter engine the way an egg slides off a nonstick skillet.
Tackling | B2

INFO SECURITY

A partnership between CERDEC and the National Security Agency has led to developments in cryptographic modernization, information security and tactical network protection.
Partnership | B3

ACHIEVEMENT

The Army Materiel Command named a CECOM supervisory logistics management specialist a 2015 Dellamonica Award winner for his accomplishments, including the largest a \$10 million dollar contract.
CECOM | B5

newsbrief

LAB TO CELEBRATE ANNIVERSARY WITH 'ARL25'

ARMY RESEARCH LABORATORY

In October 2017, the U.S. Army Research Laboratory will commemorate 25 years of collaboration and innovation resulting in world-changing contributions of science, technology and analysis to the Department of the Army.

To commemorate a quarter-century of scientific achievement and collaboration, the ARL has announced the launch of "ARL25."

The year-long, coordinated initiative of events, communications and partnership activities will engage government and private sector partners, increase public awareness of ARL's importance to the nation, and build on the foundation of scientific innovation that will ensure the United States maintains its enviable position as home of the world's premiere laboratory for land forces.

Among others, ARL25 planned activities include a distinguished guest speaker series, ARL participation in planned academic, industry and media events and panel discussions, ARL recruitment and employee engagement, and recurring interactions with media, industry, academia, professional societies and the public. ARL25 will culminate with an anniversary gala scheduled for October 2017.

For more information about ARL, visit www.arl.army.mil.

online

www.TeamAPG.com/APGNews

[facebook.com/APGMd](https://www.facebook.com/APGMd)

twitter.com/USAGAPG

[flickr.com/photos/usagapg/](https://www.flickr.com/photos/usagapg/)

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



U.S. ARMY PHOTO BY KRISTOPHER JOSEPH, CECOM

Addressing military communications readiness APG Senior Commander Maj. Gen. Bruce T. Crawford (right), commanding general of the Communications-Electronics Command, moderates the Military Communications and Readiness panel at the Armed Forces Communication-Electronics Association's Military Communications Conference, known as MILCOM, in Baltimore, Nov. 2, 2016.

Talking military comms

Subject matter experts represent Team APG at MILCOM

COMMUNICATIONS-ELECTRONICS COMMAND

BALTIMORE — Team APG was well represented at the 2016 Military Communications Conference, known as MILCOM, Nov. 1-3.

Hosted by the Armed Forces Communications and Electronics Association and the Institute of Electrical and Electronics Engi-

neers, the event drew more than 2,000 industry, academic and Defense Department leaders and experts in command, control, communications, cyber and electronics.

MILCOM featured APG leaders, program officials and technical experts presenting a variety of C4ISR topics relating to Army operational readiness.

Key themes discussed throughout the three day event highlighted advances in communications, networking, software advancements, and offensive and defensive cyber technologies and also how efforts to train Soldiers and sustain equipment must be taken into account early on in the development and fielding processes.

Representatives from Team APG participated in three panels, four technical breakout sessions and presented multiple papers throughout the event.

Military communications & readiness

On Nov. 2, APG Senior Commander Maj. Gen. Bruce T. Crawford, commanding general of the Communications and Electronics Command, participated in the highlighting U.S. military readiness has become a critical focus after 15 years of continuous combat on multiple
See MILCOM, page 7

Building public-private partnerships

Army looks to sustain readiness and the organic industrial base

BY GREG MAHALL

Communications-Electronics Command

BALTIMORE — The past 15 years of sustained combat required the Army to quickly field C4ISR capabilities to operational units that demanded enhanced situational awareness, connectivity and communication equipment. To rapidly push capability to the field, program development methodology often did not take full account of robust life cycle sustainment planning.

This has resulted in exponential cost growth to maintain and sustain C4ISR capability that
See PARTNERSHIPS, page 7



U.S. ARMY PHOTO BY GREG MAHALL, CECOM

Representatives from Team APG assemble for a theater session on Public-Private Partnerships during the Military Communications conference known as MILCOM in Baltimore, Maryland Nov. 2, 2016. Subject matter experts included Larry Muzzello, CECOM deputy to the commanding general; Bryon Young, Army Contracting Command - APG director; Stan Niemiec, PM Net Enablers, PEO C3T; and Rob Glowacki, TYAD. The session focused on PPP efforts in sustaining readiness and the organic industrial base.

Local media explore vehicle testing at APG

Aberdeen Test Center Mechanical Engineer Gregory Ramsey explains how ATC uses the roadway simulator to test Army tactical vehicles and vehicle components to local media during a visit to APG Nov. 7, 2016.

ATC is charged with testing all new Army equipment and recently received the first round of the new Joint Light Tactical Vehicles slated to replace the Humvee. Five JLTVs will be put through their paces on more than 50 miles of ATC test courses at APG.



U.S. ARMY PHOTO BY LINDSEY MONGER, ATEC

Tackling a tiny enemy: sand

Researchers seek technology solutions to protect helicopters from sand

BY DAVID McNALLY
Army Research Laboratory

Armor is good protection against an enemy, but what if the enemy is so small that it takes aircraft down from the inside?

Sand and dust can significantly damage a helicopter engine, which is why the Department of Defense is united in its hunt for a technology solution to protect aviators from this dangerous enemy.

At the U.S. Army Research Laboratory, scientists and engineers experiment with coatings in high-temperature environments with the goal of creating something — anything — that will cause sand to slide off the inside of a turbine engine the way an egg slides off a nonstick skillet.

“We are going through a very methodical process to understand the underpinning science and then use the science to predict the materials, what we call the engineered or tailored materials, that will lead to the right solution,” explained Dr. Anindya Ghoshal, chief scientist for the laboratory’s Vehicle Technology Directorate.

Ghoshal leads the Army’s efforts to develop what he calls “sandphobic” coatings.

“We are facing, especially in Southwest Asia, and other places, brown-out conditions,” he said. “We have a lot of dust particles that blow out, especially when you’re hovering. We get these sand particulates and other dust particulates that get ingested into the engine.

“Our goal is to have the particles strike the blades or vanes [inside a gas turbine engine] and then flake off,” he said. “When we started looking into this problem, we found that in order to look at a very basic research level we want to understand the physical chemical behavior. Once we can do that, then our idea is to take that model and then predict the type of material that would enable us to develop this sandphobic coating.”

Helicopters have filtration systems that attempt to filter out larger particles, but Ghoshal said micron-sized particles go through the turbine’s combustor and adhere to the blades. This chokes the airflow and can lead to engine loss.

“We have a unique rig here,” said Dr. Michael Walock, a physicist on the sandphobic coatings team. “The hot particulate ingestion rig allows us to shoot sand into the hot-gas flow at small level components and rapidly prototype new coating materials. With this system we’ve done a world-first. We used high-speed imaging to confirm the molten state of the sand particles impacting onto these thermal barrier coatings.”

Computer simulations are also helping researchers arrive at a technology solution.

“Computer modeling will play a big role in helping us to look at the interactions between particles and the surface,” said Dr. Muthuvel Murugan, acting team lead for the lab’s Turbomachinery Research Team. “The particles go through a phase change from solid to liquid and then they deposit onto the surface.”

At the Army’s Vehicle Research Laboratory, the team shot high-speed videos, revealing molten sand particles splattering on turbine blade material targets and then



U.S. ARMY PHOTO

Besides the danger of low-visibility, sand and dust wreak havoc inside aircraft engines. As molten sand accumulates inside gas turbine engines, air flow is restricted causing loss of power. Army scientists and engineers are working to discover sandphobic coatings to save lives.

vaporizing — a first in the scientific community.

“Computer modeling of this multiphysics complex phenomena will allow us to understand the damage mechanisms,” he said.

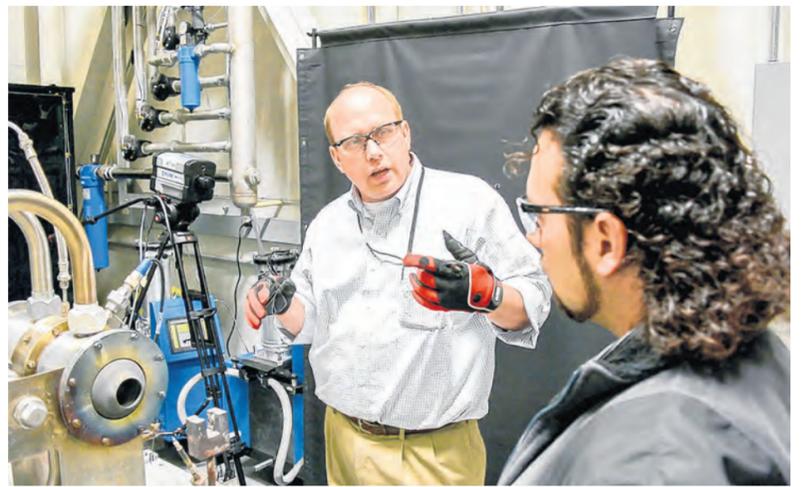
Murugan said they hope to use the power of supercomputers at the DOD High Performance Computing Center also located at APG.

“We will use advanced computational fluid dynamics together with particle ingestion to better understand the interaction mechanisms of sand particles at gas turbine engine relevant high temperature,” he said. “When we simulate how particles go through the flow-field and impact and adhere to the surface, then we can understand the vulnerable parts of the turbine blade and engineer a sandphobic coatings solution.”

Sandphobic coatings research is part of a larger strategic effort the Army lab officials call the Science for Maneuver Campaign.

“With this campaign, we hope to discover, innovate and transition science and technology-enabled capabilities that will significantly increase the force effectiveness and global responsiveness of the Army,” said acting ARL Director Dr. Philip Perconti. “As we look to how we’re going to enable the Army of the future, we see a need to discover technology solutions that will result in improvements in aviation responsiveness and the minimization of vulnerabilities.”

Earlier this year, Ghoshal’s team received DOD funding through the Laboratory University Collaboration Initiative, or LUCI, which means \$600,000 over three years in collaboration with a National Security Science and Engineering Faculty fellow. Ghoshal is teaming with Dr. Jian



U.S. ARMY PHOTO BY DAVID McNALLY, ARL

Army scientist Dr. Michael Walock (left) explains the operation of the U.S. Army Research Laboratory’s hot particulate ingestion rig to ARL post-doctoral fellow Dr. Andy Nieto.

Luo at the University of California San Diego.

“There is a close collaboration going on within the community to solve this problem,” Ghoshal said.

Ghoshal is also working closely with other universities, industry and government agencies, such as The Ohio State University; University of Connecticut; University of North Texas; Iowa State University; University of North Dakota; Boeing; the U.S. Army Aviation and Missile Research, Development and Engineering Center; the U.S. Air Force Research Laboratory; the U.S. Naval Air Systems Command; and NASA.

In 2015, the team presented initial findings, “Turbomachinery Blade Ther-

mo-mechanical Interface Science and Sandphobic Coatings Research,” to the American Helicopter Society International 71st Annual Forum at Virginia Beach, Virginia. The paper received the “Best Paper Award in Propulsion Sessions at the conference, Ghoshal said.

New research from the team will also be published in the January 2017 *Advances in Aircraft and Spacecraft Sciences*, an international journal.

“I strongly believe that in the next three to five years we will have not only one, but several solutions,” Ghoshal said. “It will definitely save a lot of Soldiers’ lives in the long run. Our solutions will make our Soldiers’ lives safe and will make our Army stronger.”

DID YOU KNOW?

Today, Nov. 10, 2016, is the 241st birthday of the U.S. Marine Corps.

Nowhere is the U.S. Marine Corps more celebrated than at the National Museum of the Marine Corps, located in Triangle, Virginia, near Marine Corps Base Quantico. The NMMC opened in 2006 and is still undergoing construction; the final section will open in phases over a four-year period starting in 2017.

According to its website, the NMMC, “under the command of Marine Corps University, preserves and exhibits the material history of the U.S. Marine Corps; honors the commitment, accomplishments, and sacrifices of Marines; supports recruitment, training, education, and retention of Marines; and provides the public with a readily accessible platform for the exploration of Marine Corps history.”

Its exhibits include the Leatherneck Gallery, which offers artifacts, vignettes, testimonials and images that go to the heart of what it means to be a Marine. Its “Making Marines” exhibit explores every phase of boot camp as seen through the eyes of recruits and officer candidates as well as drill instructors and the “Legacy Walk” immerses visitors into more than 200 years of USMC history.

Global campaigns are highlighted in the galleries “American Revolution,” “Global Expeditionary Force,” “World War I,” “World War II,” “Korean War,” and “Vietnam.” Online virtual tours are offered for every exhibit and research and educational support are offered online and by appointment.

The NMMC is located at 18900 Jefferson Davis Highway, Triangle, VA 22172.

The NMMC is open every day except Christmas Day. Admission is free.

For more information, such as group and visitor information or directions, visit the UMMC website at <http://www.usmcmuseum.com> or call toll free 1-877-635-1775.

USMC Birthday Ball

The 2016 Commandant’s Marine Corps Birthday Ball will be held at the Gaylord National Resort and Convention Center in National Harbor, Maryland.



COURTESY PHOTO

National Museum of the Marine Corps Triangle, Virginia

For more information, contact the Commandant’s Marine Corps Birthday Ball Office at 703-614-4851; Fax: 703-693-4414; email cmc.usmc.birthday@usmc.mil; or visit <http://www.usmcbirthdayball.com>.

By Yvonne Johnson, APG News

Sources:

<http://www.usmcmuseum.com/>

<http://www.usmcbirthdayball.com>



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Partnership increases momentum

CERDEC, NSA explore cryptographic modernization, information security and tactical network protection

By **KELLY WHITE**

Communications-Electronics Research, Development and Engineering Center

Ongoing collaboration between the U.S. Army and the National Security Agency has led to increased developments in cryptographic modernization, information security and tactical network protection.

The U.S. Army Materiel Command's Communications-Electronics Research, Development and Engineering Center, or CERDEC, Space and Terrestrial Communications Directorate, or S&TCD, Cyber Security and Information Assurance, or CSIA, Division is at the forefront of several NSA partnerships in support of the Soldier and industry.

CSIA's role as a leader in Army cryptographic modernization, information security, and tactical network protection has led to CERDEC and NSA defining a cooperative approach to expediting cryptographic product fielding, in which the CSIA division will support many of the certification functions normally performed by NSA to ensure products like software-defined tactical radios meet strict NSA security requirements and quality standards.

"CSIA's expertise, capabilities and ingenuity have been the underpinnings of continued support to the NSA's national security mission," said Michael Monteleone, S&TCD CSIA Division chief. "This partnership will positively affect the C4ISR community, as well as the joint services by accelerating a critical process required to provide the most secure, advanced capabilities to our Service members."

Government off-the-shelf systems

S&TCD signed an August 2016 Memorandum of Agreement, or MOA, to become an NSA Evaluation Service Laboratory, or ESL, supporting the evaluation of Government Off-the-Shelf, or GOTS, systems seeking NSA certification.



U.S. ARMY GRAPHIC

The collaboration between CERDEC and NSA has increased rapidly over the last two years on projects ranging from assuring Army communications equipment meet NSA requirements, to certifying Army laboratories perform at NSA standards.

S&TCD will act as a supplement to Type 1 certification, a process that includes testing and formal analysis of the security of a product, which will vastly accelerate the time required to attain a certification decision.

Under the agreement, CERDEC will work directly with the Original Equipment Manufacturer, or OEM, to provide security guidance and assessment of the OEM's GOTS deliverables prior to NSA technical approval and certification. CERDEC's ESL-certification efforts will help the NSA reduce the growing list of GOTS products requiring certification to meet fielding schedules, but will ultimately expedite Type 1 devices into the hands of Soldiers, said Matthew Lazzaro, S&TCD CSIA Crypto-

graphic Modernization Branch chief.

"When the body of evidence required for Type 1 certification is fully examined right the first time, it saves time and money so that CERDEC and the Army can get Type 1 solutions into the hands of Soldiers quicker and cheaper," said Lazzaro.

CDS tests laboratory

In June 2016, the Unified Cross Domain Services Management Office signed a memorandum concurring with NSA's recommendation that CSIA met all requirements to perform Cross Domain Solutions, Lab Based Security Assessments. The LBSA focuses on assuring the robustness of designed, architected, and configured CDS

security capabilities.

According to Jon Santos, S&TCD CSIA Information Security Branch chief, this achievement allows the DOD to increase the capacity to test cross domain solutions reducing a backlog and common delay in testing schedule (and therefore fielding) for CDS customers.

"Customers needed to get their products tested, but there was always a backlog as far as requirements," Santos said. "This is not only an Army benefit, but a DOD-wide benefit as the certification will allow for accelerated schedules."

CSIA recently held a ribbon cutting ceremony to commemorate their designation as an approved CDS test laboratory.

Commercial solutions for classified

In 2015, NSA named S&TCD's Cryptographic Modernization Branch as a Trusted Integrator for Commercial Solutions for Classified, or CSfC. The CSfC program is a series of vendor-agnostic, high-level security Capability Packages that provide guidance and configurations to implement secure solutions using layered Commercial Off-the-Shelf products.

The branch has worked closely with NSA to evaluate several CSfC prototype systems in order to develop risk profiles and help to create the accompanying Capability Packages.

Historically, there has been a push to use commercial encryption on military technologies and the idea was to build a device with two layers of encryption, which would adequately protect data, according to Eric Gursky, electronics engineer and CSfC team lead.

"The benefit to the Soldier is advanced capability and taking advantage of the latest and greatest technology," said Gursky. "We build and test systems specifically for the military and tactical needs and make it available so that Battalions in the field can use our blueprints and configurations and apply it themselves."

The Cryptographic Modernization Branch became the first CSfC Trusted Integrator in the government and currently remains the only one in the Army, said Gursky.

CERDEC's NSA partnership will provide cyber assets to the C4ISR community and support the Army's cyber mission.

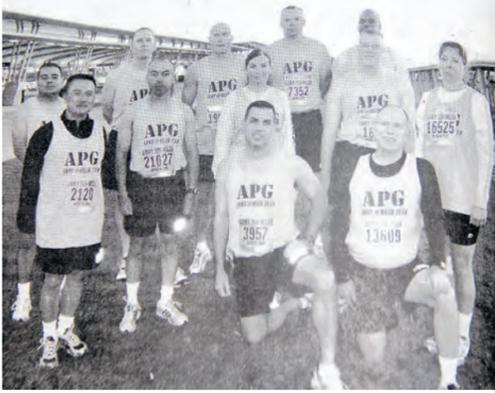
Submit letters to the editor to usarmy.apg.imcom.mbx.apg-pao@mail.mil

THIS WEEK IN APG HISTORY



Take a look back in time as the APG News explores what made the headlines around APG during this week 10, 25 and 50 years ago. This week's APG News masthead is from 1988.

BY YVONNE JOHNSON, APG NEWS



10 Years Ago

Nov. 8, 2006

Members of the first Army Ten-Miler team to represent APG pose together during a Garrison ceremony recognizing their efforts.



25 Years Ago

Nov. 6, 1991

William S. McMillian of Darlington poses near Anzio Annie, the 230-ton railway gun displayed at the Ordnance Museum, that he said caused shrapnel wounds to his legs when his unit was fired on by German forces during the invasion at Anzio, Italy.



50 Years Ago

Nov. 10, 1966

APG Commander Col. George C. Clowes presents a posthumous Republic of Vietnam Medal of Honor for Vietnam Merit on behalf of the Vietnamese government and Ministry of Defense to the widow of Staff Sgt. Robert L. Laird, and their four children.



How are we doing? E-mail comments and suggestions for the APG News to usarmy.apg.imcom.mbx.apg-pao@mail.mil

BY THE NUMB#RS

Lung Cancer Awareness Month

November is Lung Cancer Awareness Month. According to the Centers for Disease Control and Prevention, or CDC, lung cancer is the leading cause of cancer death and the second most common cancer among men and women in the U.S.

\$13.4 billion
Amount that was spent on lung cancer care in 2015.

8.6 million
Number of Americans who are high risk for lung cancer. In the U.S., cigarette smoking is linked to about 80 to 90 percent of all lung cancers. The best way to reduce the risk of lung cancer is to not smoke and to avoid secondhand smoke.

415,000
Approximate number of Americans living today who have been diagnosed with lung cancer at some point in their lives.

200,000
Approximate number of people in the U.S. who are diagnosed with lung cancer annually. More than 150,000 die from lung cancer every year.

16
Percent of people who are diagnosed with lung cancer in the earliest stages, when the disease is most treatable. If lung cancer is caught before it spreads, the likelihood of surviving five years or more improves to 55 percent.

By Rachel Ponder, APG News
Sources:
<http://www.lung.org/lung-health-and-diseases/lung-disease-lookup/lung-cancer/learn-about-lung-cancer/lung-cancer-fact-sheet.html>
<http://www.cdc.gov/>
www.lung.org

 **Winter is coming** 

Do you know where to go for winter weather updates?

 Like APG on Facebook: www.facebook.com/APGMd 

CECOM Dellamonica winner mission focused and ready to support

By **MARY B. GRIMES**
Communications-Electronics Command

Terence Adair Glover is a supervisory logistics management specialist whose consummate work and mentoring performance lends credence to the adage “We all carry the seeds of greatness within us, but we need an image as a point of focus in order that they may sprout.”

For many of his colleagues, and acquaintances, Glover is indeed a sower of inspiration, encouragement and positive outcomes.

The U.S. Army Materiel Command chose him as the Communications-Electronics Command, or CECOM, APG winner of the Louis Dellamonica Award for Outstanding AMC Personnel of the Year 2015.

Named in honor of Louis Dellamonica, a general engineer at the Hawthorne Army Depot, whose career spanned 65 years, the annual award goes to employees who have improved the AMC mission, inspire and motivate other employees and are held in high esteem by their peers.

Glover serves as the division chief for the Warfighter Information Network-Tactical, known as WIN-T, Division, part of CECOM’s Integrated Logistics Support Center Command, Control Communications-Tactical, or C3T, Directorate.

Nominated for the Dellamonica award by Terry Deloney, C3T director, Glover said that winning the award was not something he’d envisioned happening to him.

“I really did not imagine this happening. I just try to work hard at my job of supporting the Warfighter and the organization,” he said. “Giving your best is what is important to support those who defend this nation. Receiving the award is just a recognition of service, and this is what I am most proud of.”

Although somewhat modest in his response, there is no way of getting around the bold contributions he’s made toward the CECOM effort.

Among them, Glover led his team in the coordination and development of the acquisition requirements package, performance work statement, independent government estimate, contractor proposal technical evaluation, and final contractor proposal leading to final negotiations and contract award in September 2015 totalling \$10,088,034. It is the largest single amount ever awarded in the CECOM Logistics and Readiness Center’s war on Diminishing Manufacturing Sources



U.S. ARMY PHOTO

Terence A. Glover, a supervisory logistics management specialist, is the 2015 CECOM-APG winner of the Louis Dellamonica Award for Outstanding Army Materiel Command Personnel.

and Material Shortages.

Accepted into the APG Senior Leader Cohort by the CECOM deputy commanding general in early 2015, Glover volunteered to be a member of an APG Community Based Project Team tasked to improve the hiring process for Pathways Interns and other

qualified individuals at APG.

“I eagerly took on this project due to my vision of being able to play a significant role in posturing APG to attract and retain the best and brightest to meet the challenges of the future.”

The WIN-T Division chief has also served

as a mentor in the Integrated Logistics Support Center Mentorship program to employees within the center, and as a mentor in the APG Senior Leadership Cohort, to employees in organizations external to CECOM.

Adding to his arsenal of achievements, Glover directed his team in building the FY 2015 obsolescence projects to perform non-recurring engineering redesign on three AN/TSC-154 SMART-T National Stock Numbers in coordination with the Communications-Electronics Research Development and Engineering Center’s Product Realization Directorate and Product Manager, SATCOM. He ensured technical and cost information were accurately submitted through the CECOM Logistics and Engineering and Operations Directorate, Industrial Base Office to the Army Materiel Command.

Just like his accomplishments, Glover’s drive and determination seem to have no end.

Asked if receiving the award inspires him to seek even greater heights, he said, “I intend to serve in other ways to give back.”

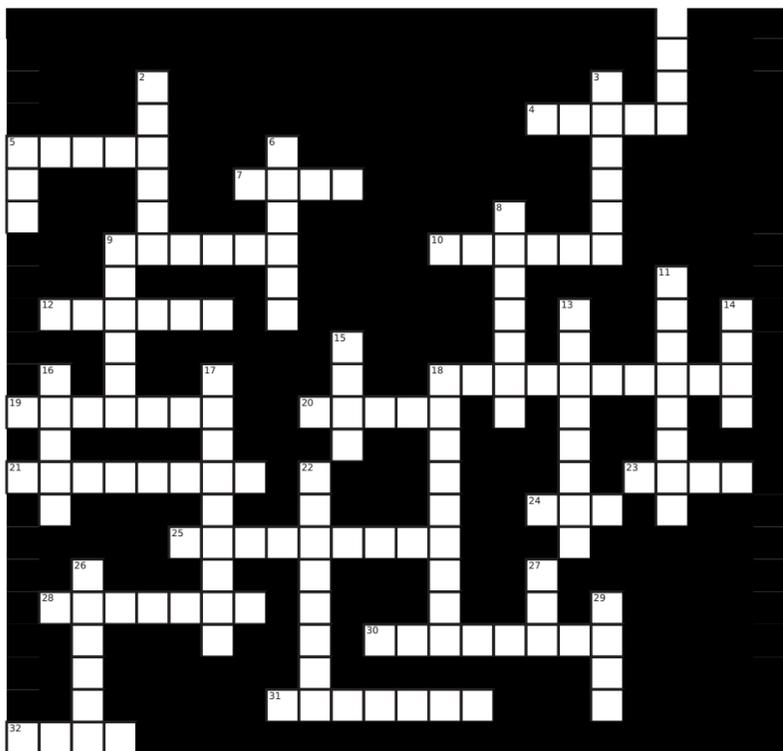
“In fact, in addition to currently serving as an Acting Division Chief to help maintain continuity in the organization, I am now involved in recruiting events with the CECOM ILSC Headquarters and the CECOM G-1 in efforts to ultimately hire top talent in the Pathways Program,” Glover said.

With 10 years of civil service to his credit, Glover is also a retired U.S. Army Chief Warrant Officer. His previous assignments have included ILS Manager, Program Manager Paladin, Armaments Research Development Engineering Center, Picatinny Arsenal, New Jersey, and Weapon System Manager, Tank and Automotive Command, Integrated Logistics Support Center, National Maintenance Program, Detroit Arsenal, Michigan.

Always focused on taking care of the AMC/CECOM mission, Glover sees his role and responsibilities as just doing the best job that he can, and believes that should be the ultimate goal of every employee.

“Everyone must run their own race and remain focused on why we are here, what we do, and who we serve. Ultimately, this principle can keep one focused on developing oneself, serving others, taking care of the mission, the workforce and our families,” he said.

Tell them you saw it in the APG News



THE APG CROSSWORD

U.S. Marine Corps

Nov. 10 is the official birthday of the United States Marine Corps, or USMC. Learn more about the USMC by taking this trivia puzzle.

By **RACHEL PONDER**
APG News

Across

- The colors of the USMC are Scarlet and _____.
- He served as a Marine before becoming the first American to orbit the Earth on Feb. 20, 1962.
- During World War I, the U.S. media began using this term “first to _____” to describe U.S. Marines.
- The USMC is a component of the U.S. Department of the _____.

- Before she was a star on the sitcom “The Golden Girls” she served as a truck driver and typist in the U.S. Marine Corps Women’s Reserve during World War II.
- In secret, she became the first woman to serve in the USMC. According to legend, disguised as a gung-ho man, she served in the Marine Detachment aboard the USS Constitution during the War of 1812.
- He was the first U.S. Marine to hold a Medal of Honor for his actions during the Civil War.
- He was a USMC officer who became the first Marine Corps aviator and the first Director of Marine Corps Aviation.

- The USMC have three core values: Honor, _____ and Commitment.
- This U.S. composer known as “The March King,” directed the U.S. Marine Corps Band from 1880–1892.
- During World War II sailors called Marines this slang term.
- Businessman Glen Bell served as a U.S. Marine in World War II before opening the fast food restaurant _____ Bell in 1962.
- _____ Tavern, in Philadelphia, is often considered the birthplace of the USMC.
- He was the longest-serving Commandant of the USMC, serving from 1820 to 1859. His nickname is the “Grand old man of the Marine Corps.”
- An English _____ is the unofficial mascot of the USMC.
- The headquarters of the USMC is located in this state.
- As of 2016, the USMC has around 182,000 active duty members and about 38,500 _____ Marines.
- The Small _____ Manual” is a U.S. Marine Corps manual on tactics and strategies for engaging in certain types of military operations.

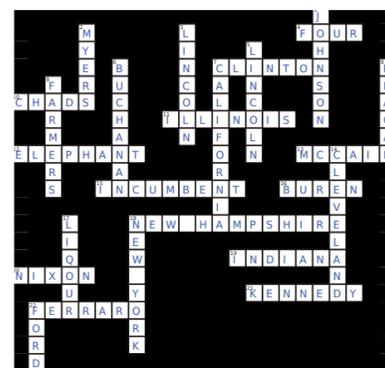
Down

- The current Sergeant Major of the U.S. Marine Corps.
- She was the first woman in the history of the U.S. Armed Forces to be appointed to a three-star grade. She retired from the USMC on January 1, 1999.
- Current commandant of the Marine Corps.
- Current USMC recruiting slogan, “The _____ The Proud. The Marines.”
- Enlisted Marines attend recruit training, known as “boot camp,” at either Marine Corps Recruit Depot San Diego or MCRD _____ Island.
- He is often referred to as the “Greatest of all Leathernecks” and the “Marine’s Marine.”
- The official USMC emblem, is the Eagle,

- Globe, and _____.
- He was the first officer commissioned in the U.S. Continental Marines, predecessor to the USMC.
- The USMC motto, “Semper Fidelis,” meaning “Always _____,” was adopted in 1883.
- “From the Halls of Montezuma to the Shores of Tripoli” is a lyric from the song, “Marines’ _____.”
- Slang term for a new Marine.
- A common USMC battle cry.
- Following recruit training, enlisted Marines attend the School of Infantry at Camp Geiger or Camp _____.
- This medically retired Marine is the youngest living Medal of Honor recipient.
- An unofficial motto of the USMC is “Improvise, adapt, and _____.”
- The most decorated Marine in U.S. history.
- The U.S. Marine Band, the premier band of the USMC, is the oldest professional musical organization in the U.S. It has been known as the “The President’s _____” since 1801 because of its historic connection to the president of the United States.
- The USMC Birthday is celebrated every year on Nov. 10 with this formal event.

Think you solved last week’s puzzle?

Check out the solution below
Solution to the Nov. 3 puzzle



APG showcases tech advancements at MILCOM

MILCOM, From page 1
global battlefields.

Key topics of discussion included how the Army is institutionalizing C4ISR sustainment training efforts, ensuring life cycle management plans are part of programs from the start and how software and cyber challenges such as software upgrades, patching and assurance are being overcome in an integrated fashion.

Speed of innovation

Henry Muller, the technical director of the Communications-Electronics Research, Development and Engineering Center, moderated the "Speed of Innovation and Acquisition Challenges" panel, Nov. 2, which discussed the challenge faced by the Department of Defense as commercial technology innovations outpace traditional DOD procurement timelines.

Panelists included Dale Ormond, Principal Director, Research, Office of the Assistant Secretary of Defense (Research and Engineering); Ronald W. Pontius, Deputy to the Commanding General, U.S. Army Cyber Command and Second Army; Maj. Gen. Kirk F. Vollmecke, Program Executive Officer for Intelligence, Electronic Warfare, and Sensors; Joseph D. Welch, Chief, Technical Management Division, PM Tactical Radios.

Modernizing the network

On Nov. 1, Brig. Gen. Karl Gingrich, Assistant Program Executive Officer for Command, Control, Communications-Tactical at APG, provided insight during the "Modernizing the Network" panel. Alongside other panelists, including Michael Padden, Project Manager, Installation Information Infrastructure Communications and Capabilities (I3C2), Executive Office for Enterprise Information Systems, he discussed the methodology behind how the material community is developing, fielding and assuring the security of the enterprise network capability.



U.S. ARMY PHOTO BY KRISTOPHER JOSEPH, CECOM

Patrick Charles, an engineer with CERDEC's Space and Terrestrial Communications Directorate, explains an overarching wireless personal area network known as Intra Soldier Wireless system that addresses the unique needs of the Soldier.

Business-to-business

APG also hosted a Business-to-Business booth on the MILCOM show floor featuring subject matter experts from the CECOM; CERDEC; PEO C3T; PEO IEW&S; and the Army Research Laboratory. The booth provided industry and academia the means to talk directly to program officials, developers, sustainment experts and logisticians about new technology development trends, public/private partnership opportunities, cyber protection efforts and various Research & Development agreements that APG offers to foster industry and academic innovation.



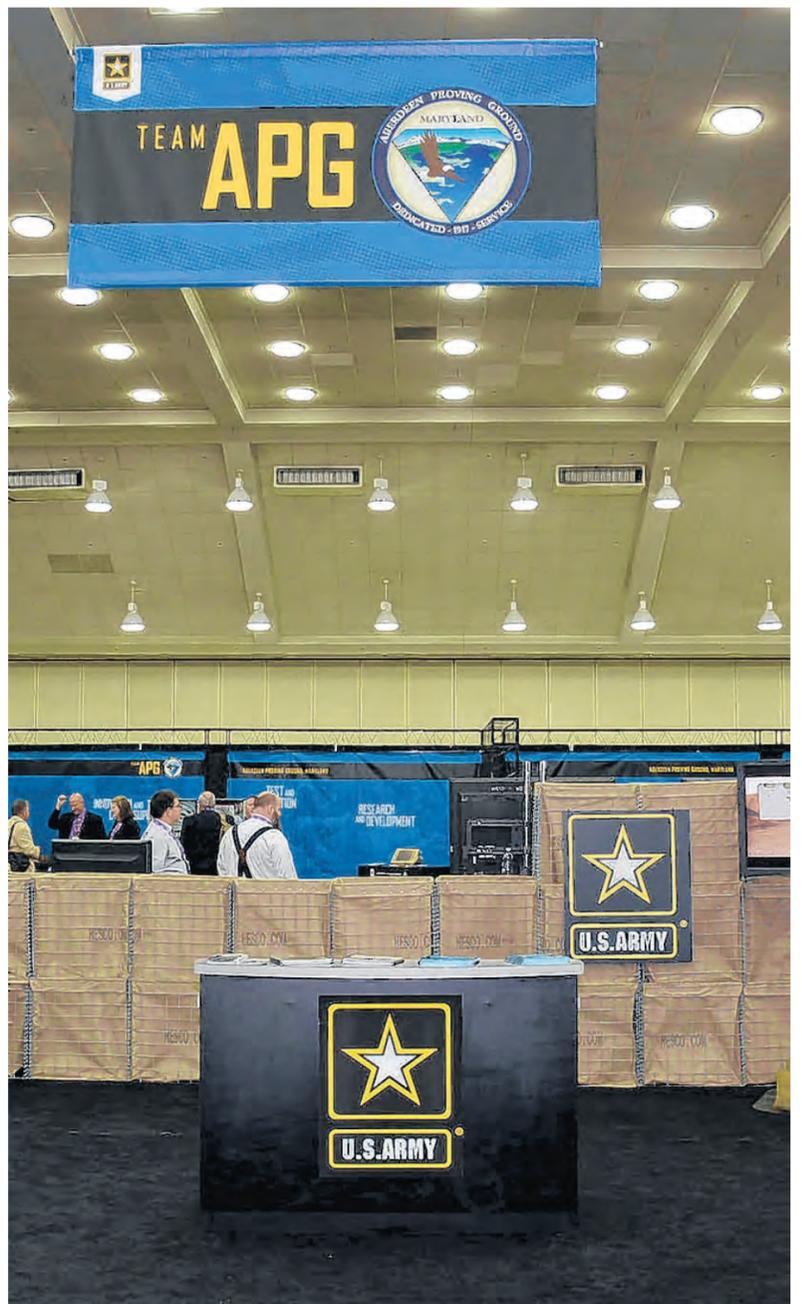
U.S. ARMY C3T PHOTO

Brig. Gen. Karl Gingrich (right), Assistant Program Executive Officer for Command, Control, Communications-Tactical at APG, provided insight during the "Modernizing the Network" panel at MILCOM in Baltimore, Maryland, Nov. 1, 2016.



U.S. ARMY CERDEC PHOTO

CERDEC Technical Director Henry Muller (right) moderates the "Speed of Innovation and Acquisition Challenges" panel at MILCOM in Baltimore, Maryland, Nov. 2, 2016. Panelists, including PEO IEW&S commanding general, Maj. Gen. Kirk Vollmecke, discussed the how advancements in electronic technologies are often tied to developing profitable consumer products and its impact on DOD procurement.



U.S. ARMY PHOTO BY KRISTOPHER JOSEPH, CECOM

The Team APG booth on the MILCOM show floor awaits industry representatives looking to learn about new technology development trends, public/private partnership opportunities, cyber protection efforts and various Research & Development agreements that APG offers to foster industry and academic innovation.

Partnerships meant to lower cost, accelerate innovation

PARTNERSHIPS, From page 1
will remain in the force for the foreseeable future.

Today, government and industry partners are working together to ensure sustainment planning is accounted for early in program development and through utilizing agreements such as Public-Private Partnership, or PPP, relationships working to drive down the cost of capability sustainment efforts.

Recently members of the APG community addressed the PPP topic and the health of the organic industrial Base during a panel session at the annual Armed Forces Communications-Electronics Association, or AFCEA, Military Communications Conference known as MILCOM.

The conference, held at the Baltimore Convention Center and sponsored by AFCEA International, is an annual event designed to showcase technical innovations and creative talents of government, military, academic and industry leaders.

The panel session was led by Larry M. Muzzelo, Communications-Electronics Command deputy to the commanding general. Joining Muzzelo was Bryon Young, director of the U.S. Army Contracting Command (ACC) - APG; Stanley Niemiec, project lead, Network Enablers, Program Executive Office for Command, Control, Communications Tactical; and Robert Glowacki, Logistics Management Specialist, Tobyhanna Army Depot (TYAD), Tobyhanna, Pennsylvania.

PPPs are cooperative arrangements be-

tween an organic product support provider (such as an Army designated center of industrial and technical excellence) and one or more private sector entity to enable the performance of defense-related work by utilizing Defense Department facilities and equipment.

Public-Private Partnerships

A key aspect of the PPP construct is the ability for industry to enter into agreements allowing the utilization of the Army's organic industrial base to perform hardware or software refurbishment, maintenance and warranty repair work. Across the Army's C4ISR community, organizations are working innovative contract methods and technical agreements to allow industry and the government to enter into PPP opportunities.

"Partnerships are intended to improve efficiencies, lower costs, accelerate innovation, and offer best value to the warfighter," Muzzelo said, "Our goal is to leverage capabilities within CECOM and industry to equip and sustain core capabilities within the Department of Defense while being efficient and effective."

The panel highlighted PPP benefits to both government and industry which include industry access to advanced-technology equipment and facilities, potential decrease in industry capital investment costs and access to diversified and deployable workforce all resulting in lower cost of products and services for the government. A key to

successful partnerships is the ability for program managers to work with the sustainment community to ensure life cycle sustainment plans are accounted for early in the program development phase.

"Our experience shows that the most important part of the contract is sustainment," commented Niemiec, "contracts must be cost effective and provide better products. Any PPP agreement must come early in the process to make it work."

Niemiec offered the audience some examples of current program efforts that are employing PPP as part of their sustainment plans, including the Army's common hardware systems, or CHS, program which provides a single contracting source for tactical computing hardware. Through PPP agreements Tobyhanna Army Depot provides organic industrial support for refurbishment and repair of CHS hardware. Another example offered is potential partnership with Tobyhanna for the sustainment, engineering and repair of Embedded Cryptographic Modernization Initiatives and Secure High Assurance Interoperable Encrypting Link Devices.

The panel featured discussion regarding the benefits of working with Department of the Army Centers of Industrial and Technical Excellence, or CITE. CITE designation enables the government to enter into PPP agreements with industry. CECOM's Tobyhanna Army Depot, is the Army's CITE for Command, Control, Communications, Computers, Intelligence, Surveillance & Recon-

naissance (C4ISR), Electronics, Avionics, and Missile Guidance & Control activities and is the CECOM direct link to the Organic Industrial Base.

"TYAD is deeply engaged in the repair and overhaul, systems integration, fabrication, global support and sustainment of multiple end products that support C4ISR systems, electronics, avionics, and missile guidance and control for the Army and as the technology repair center for the Air Force in Command, Control, Communications and Intelligence," Glowacki said as he outlined PPP opportunities at the depot that include work share projects, small business partnerships and direct sales.

"We have over 60 years of experience that is leverage for our Soldiers," Glowacki said. "Small companies can leverage TYAD facilities and personal to their advantage in a PPP arrangement."

As the Army continues a robust operational pace, the materiel community must continue to utilize innovative approaches, such as PPPs, to ensure affordable and effective life cycle sustainment efforts.

"The number one priority across the Army is operational readiness," Muzzelo. "We are charged with upgrading Army readiness and to ensure we position our Soldiers so that they are well-prepared, well-trained and well-equipped to meet and accomplish the mission head on. Public/private partnerships are just one tool we are adding to the toolbox to accomplish our requirements with effectiveness and efficiency."