



APG NEWS

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Register today for Operation Homefront school supplies

By **YVONNE JOHNSON**
APG News

There's still time to register for the Operation Homefront Back to School Brigades' school supplies giveaway set for 2 to 6 p.m. at the Veterans of Foreign Wars Post 10028, 821 Old Philadelphia Road in Aberdeen, this Friday, Aug. 15. The VFW is located near the intersec-

FOR YOUR INFO

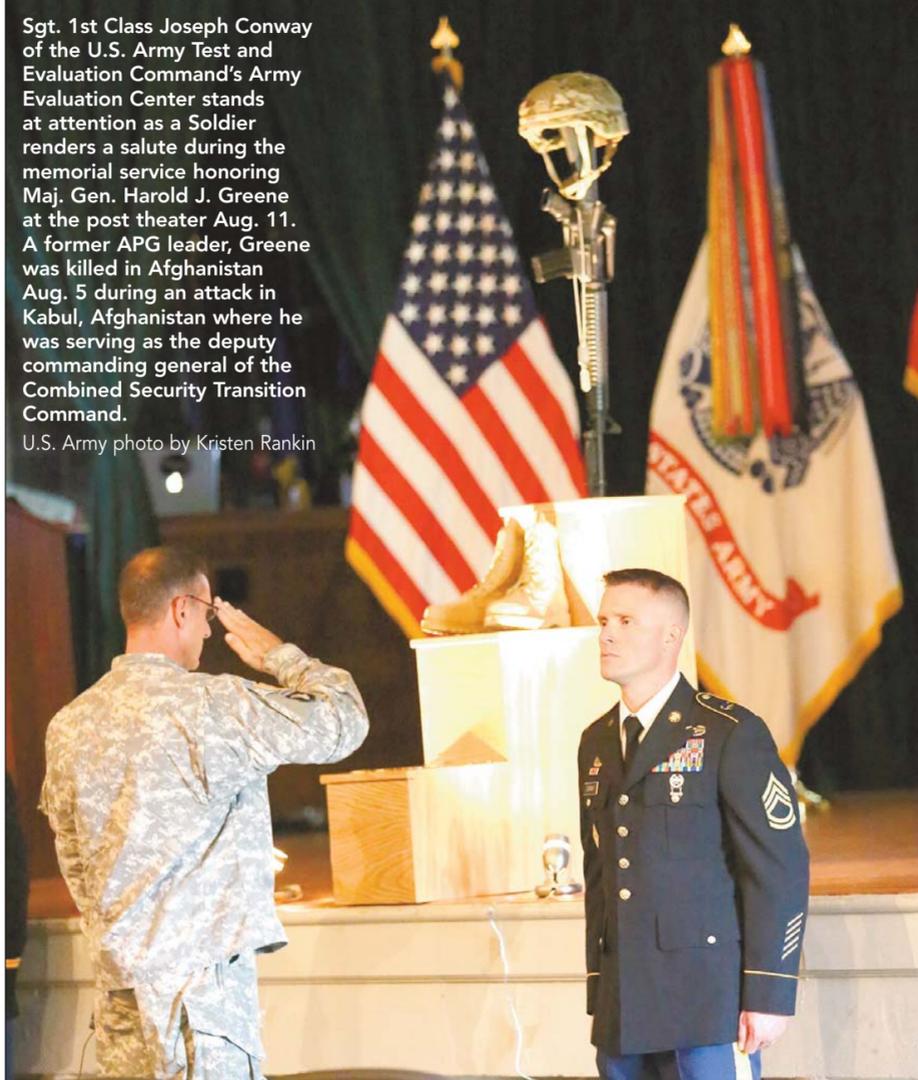
Operation Homefront school supply giveaway open to children of active, Reserve, National Guard of Army, Navy, Air Force, Marines & Coast Guard

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In honor of his memory Greene remembered as Soldier, leader, hero

Sgt. 1st Class Joseph Conway of the U.S. Army Test and Evaluation Command's Army Evaluation Center stands at attention as a Soldier renders a salute during the memorial service honoring Maj. Gen. Harold J. Greene at the post theater Aug. 11. A former APG leader, Greene was killed in Afghanistan Aug. 5 during an attack in Kabul, Afghanistan where he was serving as the deputy commanding general of the Combined Security Transition Command.

U.S. Army photo by Kristen Rankin



By **CLAIRE HEININGER**
PEO C3T

He was brilliant, "always two steps ahead of the rest of us."

He was tenacious, "a warrior poet who never, ever gave up."

He was beloved, "a husband, a father, a son and one of the greatest Soldiers this Army has ever produced."

But most of all, Maj. Gen. Harold J. "Harry" Greene was "a true American hero" – not because of the way he died, but the way he lived.

"Life was his fuel, and he energized us all," retired Col. David Moore said during a eulogy for his former colleague. "We all have our stories. Any one of us could be standing here, telling a unique story about how Harry helped us laugh, helped us grow, and made us better people."

Those stories, punctuated by laughter and tears, were shared in honor of Greene's memory during a ceremony at Aberdeen Proving Ground Aug. 11, six days after Greene was mortally wounded in a shooting at Marshal Fahim National Defense University in Afghanistan. Greene, 55, was the first U.S. general officer killed in combat since the Vietnam War.

Greene's wife, their two children and other Family members were in attendance, joined by a capacity crowd of more than 1,000 mourners at the post the-

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CONSTRUCTION ALERT

An adjustment for the traffic plan at the Bldg. 305 parking lot is required due to the decision not to put plates along Exchange Road. This was decided because it will be less strain on the soil supporting the roadway. Starting Wednesday, Aug. 27, traffic in both directions on Exchange Road will be rerouted through the Bldg. 305 parking lot. This pattern will continue for about three weeks, ending approximately Wednesday, Sept. 17. For more information, contact the Directorate of Public Works' Devon Rust at 410-306-1125, devon.a.rust.civ@mail.mil or Jeff Presgraves at 410-306-1848, jeffery.a.presgraves.civ@mail.mil

IronBirds salute APG military

By **YVONNE JOHNSON**
APG News

Aberdeen Proving Ground leaders and Soldiers enjoyed a night of patriotic revelry during the Aberdeen IronBirds Military Appreciation Night festivities at Ripken Stadium Aug. 7.

The team hosts the annual event to salute America's military and Aberdeen Proving Ground service members in particular.

The pre-game festivities featured service members from multiple units unrolling a giant flag in center field.

"There were recruiters from the Marine Corps and

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The APG Garrison's Pfc. Stacy Dobson sings the national anthem during the Aberdeen IronBirds Military Appreciation Night pregame festivities at Ripken Stadium Aug. 7.

Photos by Molly Blossie



Showcase features CBRNE defensive capabilities



By **ALAN FEILER**
APG News

More than 50 defensive capabilities of Team CBRNE (Chemical, Biological, Radiological, Nuclear and Explosives) were displayed Aug. 5-6 during the Global Threats Solutions Showcase

(From center) Maryland Senator Barbara A. Mikulski asks a question about the Field Deployment Hydrolysis System (FDHS) as Suzanne Milchling, ECBC director of Program Integration and ECBC Chemical Engineer Adam Baker listen in during the Team CBRNE Capabilities Showcase April 5.

Courtesy photo

at the Chemical Demilitarization Transfer Facility in Aberdeen Proving Ground South (Edgewood).

The showcase offered an opportunity for elected officials, the media, private industry leaders and APG personnel to learn about the Army's newest scientific and technological advances and innovations, particularly regarding the identification of and protections from weapons of mass destruction.

More than 500 people attended the gathering, including representatives from the White House, the Pentagon and the New York Fire Department's Hazardous

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WEATHER

Thursday

Mostly Sunny
chance of rain 20%



80° | 54°

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HEALTH NEWS

Army researcher fighting Ebola on the front lines

By **DAVID VERGUN**
ARNEWS

Army researchers are working on developing vaccines for the deadly Ebola virus, as well as combating the spread of the virus and caring for those who are infected. The virus has recently killed more than 800 in Sierra Leone, Guinea and Liberia.

One of these researchers is Dr. Randal J. Schoepp, a diagnostics specialist and chief of the Applied Diagnostics Branch, U.S. Army Medical Research Institute of Infectious Diseases, known as USAMRIID.

Schoepp spoke by telephone from Monrovia, Liberia, with WAMU radio talk show host Kojo Nnamdi about efforts to fight the deadly Ebola outbreak in West Africa.

Colleagues at USAMRIID, along with researchers from Public Health Canada, helped develop the serum given recently to two U.S. medical workers, Dr. Kent Brantly and Nancy Writebol, who contracted the virus while working with patients infected by Ebola in West Africa, Schoepp said.

The serum is "basically a cocktail of three humanized, monoclonal antibodies produced in tobacco plants," he said. Humanized, monoclonal antibodies are derived from animals whose protein sequences have been altered to more closely resemble those produced by humans.

Initially, the researchers looked at six antibodies. Three of the most promising were then down-selected, he said, and were tested on non-human primates at various concentrations and time periods throughout their infections.

The results of the studies showed that when these antibodies were administered in the final, most advanced stages of Ebola, the primates recovered. "That's huge in our field," he said.

If the two Americans recover, the next step for researchers is to develop clinical trials, he said, adding that it's way too early to make conclusions about the efficacy of the treatment.

Schoepp has been working in West Africa for a number of years on diagnostics for other viruses. In 2006, he conducted research on Lassa Fever in Sierra Leone. Like Ebola, it is a viral hemorrhagic fever, meaning that one of the symptoms is bleeding caused by damage to the vascular system.

Lassa differs from Ebola in that it



U.S. Army photo by Dr. Randal J. Schoepp

A technician sets up an assay for Ebola within a containment laboratory. Samples are handled in negative-pressure biological safety cabinets to provide an additional layer of protection.

predictably occurs in about the same time every year, he said, with about 500 to 700 cases.

But Schoepp found that of those cases, only 30 to 40 percent were Lassa. So he began to study the 60 to 70 percent that were not and found that they were closely related to the Zaire strain of Ebola.

Since Schoepp's diagnostics research on the Zaire strain has been carried out for a number of years, he said he's hopeful some of that will be useful in studying the West African Ebola.

Working in West Africa is particularly challenging, he explained.

"We have to bring almost everything with us," he said. "When we arrived here in Liberia, we had to set up the entire laboratory, train the staff and then supervise them as they help fight the disease in their own country."

Diagnostics, Schoepp's specialty, is detective-like work.

The strategy involves using a molecular assay such as PCR, or Polymerase Chain Reaction, that looks for particular signatures in the genome of the virus, he explained.

Another approach, he said, involves the use of immunodiagnostics to detect either the virus or detect the antibodies in an infected person. He credits

USAMRIID with testing some of the early antibodies IgM, or Immunoglobulin M, and the later antibodies IgG, or Immunoglobulin G, which appear after the Ebola virus attacks.

Researchers at USAMRIID are "trying to continue to improve on those assays to make them easier and more specific and sensitive," he added.

One of the biggest hurdles to fighting the Ebola virus, he said is not medical, but rather cultural.

Most who contract Ebola get it when preparing the bodies of loved ones for burial.

"In Africa and other regions of the world it's traditional to wash the body, to caress the body, to kiss the body," he said.

In some of the more isolated societies, people even drink the blood of the dead as a way to honor them, he added.

So these practices "are leading to an increase in the number of infections we're seeing," he said. These cultural practices are "very delicate to deal with in West African societies. You have to tread very lightly and bring it to them in a way they'll understand so they consider changing those practices. We haven't made it to that point yet. That's why we're seeing this outbreak continue."

STREET TALK

What is your favorite Robin Williams movie?

"There's a lot of them. I think 'Good Morning, Vietnam' was my favorite, just because of the role of supporting the Soldiers and the energy and vitality that he brought to that part."



Jim Carnaggio
ATC

"Probably 'Dead Poets Society.' That came out when I was in high school and I remember all of the ladies really liking it. He did so many great movies, a whole range of stuff."



David Kern
ATC

"I liked the movie 'Hook.' I really liked Peter Pan saving all of the children."



Avery Sanchez
Family member

"The Birdcage.' He played that role so well, and he wasn't anything like that in real life. He was so good in it. I also liked him in 'Good Will Hunting.'"



Linda Herring
Exchange employee

"Mrs. Doubtfire.' The character he played in that showed that he could play every role. To me, he was one of the most down-to-earth actors out there. Depression is a really, really wicked illness. There's help out there."



Monika McCulloch
Express employee

CONSTRUCTION ALERT

Road work and paving on West Road from Harford Boulevard and Rock Island Road that began Aug. 12 is expected to last about two weeks. Road work begins Thursday, Aug. 14, on Rock Island Road from Aberdeen Boulevard to the Child Development Center. This work also should last about two weeks. During the paving and road work the roads will remain open with flaggers directing drivers. Drivers should exercise caution and pay attention to the flaggers and traffic signaling.

APG SEVEN DAY FORECAST



APG NEWS

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tant Editor Yvonne Johnson, 410-278-1148 or email yvonne.johnson5.ctr@mail.mil, or contact Reporter Rachel Ponder, 410-278-1149 or email rachel.e.ponder2.ctr@mail.mil.

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

Staff

APG Senior Commander ..Maj. Gen. Bruce T. Crawford
APG Garrison Commander .. Col. Gregory R. McClinton
Public Affairs Officer Kelly Luster
Editor Amanda Rominiecki
Assistant Editor..... Yvonne Johnson
Contract Photojournalists..... Rachel Ponder
..... Alan Feiler
Graphic designer/Photographer Molly Blossie
Website www.TeamAPG.com/APGNews

AbilityOne Vendor Day highlights products

Story and photo by **ALAN FEILER**
APG News

Customers and the curious learned more about the organization that supplies their offices during the AbilityOne Vendor Day at the APG North (Aberdeen) Base Supply Center Aug. 7.

AbilityOne, which is operated by Blind Industries and Services of Maryland (BISM), hosts the event to allow customers to interact with vendors as they sample new products. Vendors at the gathering included Hewlett-Packard, MSC Industrial Supply, Tri-State Industrial Supply, CCP Industries, SP Richards Co., SEM Shredders, and Outlook Nebraska Inc. (ONI).

Nine blind and visually-impaired associates work at the AbilityOne centers at APG North and South (Edgewood). According to Rene Alonso, the BISM's marketing director, the objective of Vendor Day is "to invite our vendors to promote new things in the field and to learn our customers' demands. ... We appreciate [vendors'] support, and we buy their products. They support the program because they want to sell their products to the government, so they do it through us. They support the mission. So we all help each other out."

"Our goal is to provide job opportunities for blind people," Alonso added. "The idea is to create a social economic benefit."

That sense of satisfaction and fulfillment goes beyond the blind and visually-impaired workforce, according to Barry Councill, the store manager.

"I have the best job in the world," said Councill, who started at AbilityOne in 2001. "We have fun all day. We teach them things so that when and if I leave them, they can stand on their own. At first, it was difficult because I wasn't sure what they could do. But after a while, I saw they can do just about anything. I usually show them once and they work together as a team."

The work ethic among the blind and visually-impaired is remarkable, he said. "Some of them won't even take vacations unless they're sick or something. They're all great employees. I just wish I could bottle all of their enthusiasm."

"We want to help the blind and visually-impaired," said Jeff Simons, ONI sales account executive, who traveled to



(From right) Vendor Jeff Simons a sales account executive with Outlook Nebraska Inc., waits his turn as Dawn Hoerr and Candy Garcia of CERDEC peruse the adjacent display at the APG North (Aberdeen) Base Supply Center during AbilityOne Vendor Day activities Aug. 7.

APG from Omaha, Nebraska to attend Vendor Day. "We want to make sure they have jobs and opportunities. I'm here to help create awareness and to say thank you to the BSC [Base Supply Center]."

The associates

Michael Salvagni said he gets tired of folks underestimating him because he's visually-impaired.

"People think if you're blind or visually-impaired, you can't manage," said Salvagni, 18, a recent high school graduate from Calvert County. "Sometimes, strangers try to help us too much. They can be condescending."

He said that is why interning this summer at the AbilityOne BSC as part of BISM's Work to Independence program, has been so rewarding.

"It's been a real learning experience," he said. "They're very open here to helping me and other people stay on task. I've learned how to stock shelves, operate the pallet jack, run a cash register, answer phones, work with customers – anything that needs

to be done. I try to come here with an upbeat attitude every day."

Brian Blevins, who is completely blind, has worked at the BSC since June 2006. An Aberdeen native and resident who went through the BISM's eight-month training course, he described his employment as a "liberating experience."

"I can now travel on my own. When I get my mind on something, I just do it. I can shop and cook for myself. I do warehouse work, I help customers," Blevins said. "I get stuff done and do my best."

In addition to receiving assistance from sighted colleagues in the store and warehouse, blind and visually-impaired employees utilize technology – such as "talking" cash registers and voice-activated, hand-held inventory scanners – to accomplish their tasks. They also stock inventory and keep track of merchandise, as well as work closely with customers.

"It's fun," said Blevins. "I love working here."

Feedback

Among the customers at Vendor Day was Mary Billiet, an executive assistant with the U.S. Army Research, Development and Engineering Command. Billiet said she attends the event every year and thoroughly enjoys the experience.

"I shop here a lot," Billiet said. "I just wanted to see what they have this year, if there's anything new and different. I just think it's great what they do here."

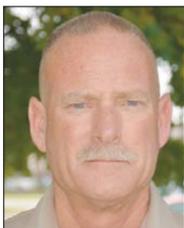
Based in Baltimore, the BISM provides vocational and daily living training and experiences for the blind and visually-impaired. There are seven BSCs throughout Maryland, Delaware, Washington, D.C., and Fort Knox, Kentucky. Annual sales last year at the Aberdeen location totaled \$2 million, according to Councill.

The APG AbilityOne Base Supply Center is located at 320 Johnson Road, APG North (Aberdeen). For more information, contact Councill at 443-360-5959 or email bcouncill@bism.org.

DES officer patrols, protects APG waterways, wildlife

By **ALAN FEILER**
APG News

About five years ago, APG Directorate of Emergency Services Police Officer Charles Volz was relaxing in his backyard in Edgewood when he spotted a bald eagle sailing through the air near a creek. Immediately, he ran into his house and grabbed a pair of binoculars.



Volz

"My wife said, 'What are you doing?'" recalled Volz, who works for the APG Marine, Wildlife and Environmental Law Enforcement Division. "And I said, 'Looking at eagles on the creek.' It's a great feeling when you bring your work home and there's a mature bald eagle on your street. ...

"When I first started here, there were 20 or less eagles' nests. Now, we have 40-plus," he said. "Some guys would say I'm an eagle fanatic. But someone has to speak for the critters. I like to think me and everyone in my unit helped a little bit. It is our nation's symbol. I'm just glad they're back in full swing."

A Baltimore native who served 23 years in the Baltimore County Police Department, Volz has been with DES since May 2002.

"I got a call from a buddy that APG was hiring," he said. "I was retired but got the itch to get back into law enforcement, so I put in for the position and got onto the police force."

Five months later, he was hired as an officer for Marine, Wildlife and Environmental, which operates under the Department of Emergency Services.

Volz said he had no idea that APG was a nature and conservation preserve.

"I wanted to be out on the water. I'm outdoorsy, and I was knocked out by the shoreline here," said Volz. "I've always hunted and fished and worked on gardening."

When asked if he considers himself an environmentalist, Volz said, "Well, you want to stay as kind to the environment as possible. But I'm not an extremist. I don't believe the world is coming to an end or anything like that."

Volz said he was immediately struck by the natural beauty and abundance of wildlife at APG.

"The nice thing about the proving ground is it has kept the shoreline pristine, with the largest concentration of bald eagles on the East Coast," he said. "When you go out in a boat or a helicopter, you really see how beautiful it is here. It's like the largest outdoor petting zoo on the Chesapeake Bay."

Volz's responsibilities include patrolling APG's 144 miles of shoreline by boat to protect it from intruders and violators of boating and environmental laws. The patrol areas encompass the waters around APG North (Aberdeen) and South (Edgewood), as well as Car-

roll Island, Pooles Island, the Churchville Test Area, the Van Bibber Water Treatment Plant, Atkinson Dam and Graces Quarters.

"We are responsible for the physical security of the waterways, the security of the shoreline and fence line, and the airspace for as much as we can see," Volz said of his unit of two sergeants and eight officers.

"I really particularly love Carroll Island and Graces Quarters. They're pretty untouched and quite beautiful."

He and his personnel patrol the forests and wooded areas of APG, enforce the rules and regulations of the installation's hunting program, and help rescue and rehabilitate bald eagles and other animals on post.

"I've helped rescue osprey, red tails, blue herons and any other critters that may need assistance on occasion," he said.

Volz has also seen and interacted with some animals and sea life that one might not necessarily associate with the installation, including river otters, coyotes, cormorants and beavers.

"There are a tremendous amount of beavers here," he said of the pesky dam builders. "They can't stand not to hear running water. It's in their nature. That's

The nice thing about the proving ground is it has kept the shoreline pristine, with the largest concentration of bald eagles on the East Coast. When you go out in a boat or a helicopter, you really see how beautiful it is here.

Charles Volz

Directorate of Emergency Services
police officer



ASK THE COMMANDER



When you have a concern about the workplace or mission and don't know where to get an answer, you might want to "Ask the Commander." The "Ask the Commander" program is designed to allow employees to get concerns addressed and questions answered by APG Senior Commander Maj. Gen. Bruce T. Crawford, the Commander of the U.S. Army Communications-Electronics Command. "Ask the Commander" is an electronic submission form found on the CECOM homepage, the command's SharePoint site, and the APG installation homepage. All submissions go to an electronic mailbox for the general and are then worked with subject experts to find the right answer in a timely way. The commander will reply by email or telephone. All questions from CECOM or APG installation employees will be answered provided there is contact information for the response.

So give it a try if you have a question, and tell your coworkers that they can "Ask the Commander" by accessing the following links: <http://www.cecom.army.mil/> (CECOM homepage); <https://cecom.aep.army.mil/cecom/home/default.aspx> (CECOM SharePoint); and <http://www.apg.army.mil/> (APG homepage).

ALL THINGS MARYLAND



St. Michaels duped Brits, charms tourists

By **ALAN FEILER**

APG News

Some nicknames are well-earned and long-lasting. St. Michaels, on Maryland's Eastern Shore, is a prime example. The Talbot County hamlet along the loping Miles River is known as "the town that fooled the British" because during the War of 1812, the crafty residents of St. Michaels employed ingenuity to halt the enemy.

In the early morning hours of Aug. 10, 1813, a slew of British barges sailed up the Chesapeake Bay and the Miles River, planning to shell St. Michaels and its riverfront militia battery. Having been warned in advance about the invasion and attack, the citizens evacuated their women, children and livestock to locations outside of town. Then, under the orders of Talbot County militia commanding officer Brig. Gen. Perry Benson, they placed lanterns in treetops in and around town; all other lights in St. Michaels were put out.

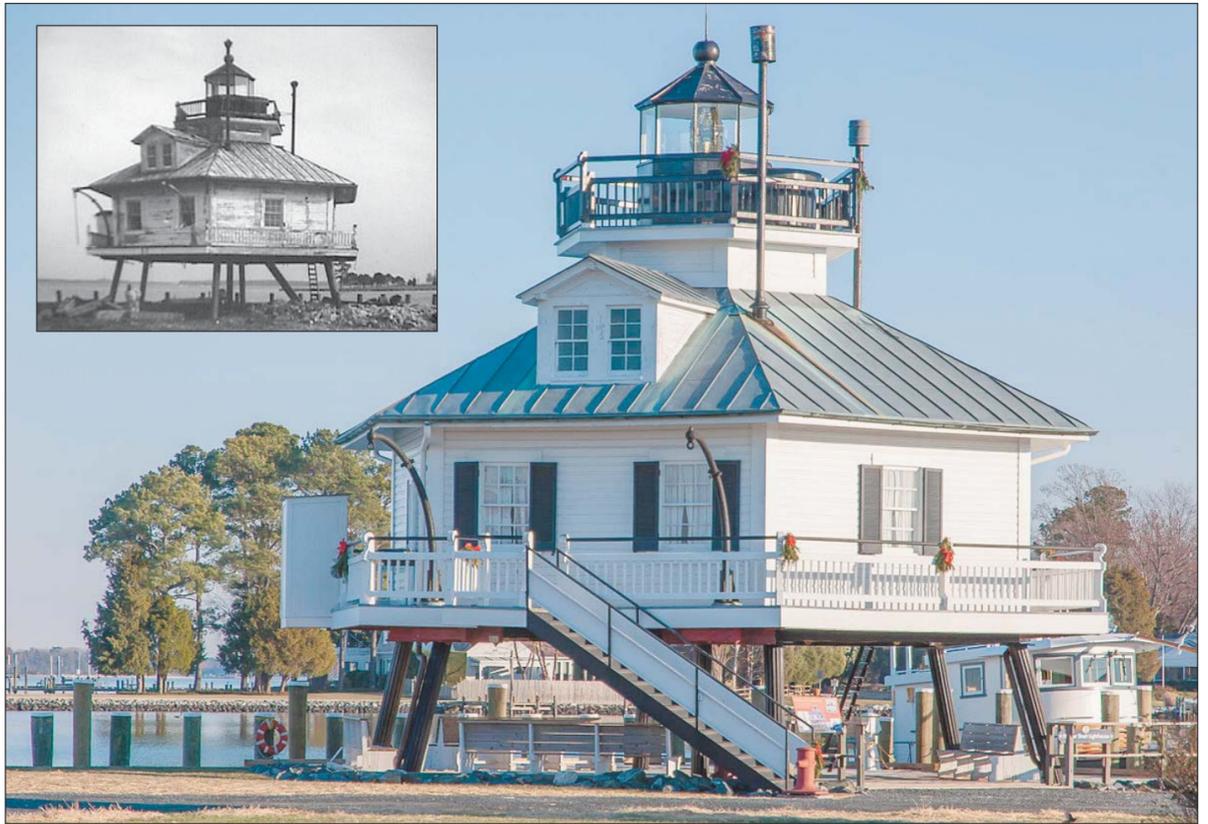
When the Brits, under the command of Adm. George Cockburn, sent a landing party ashore and fired cannons toward the faux lights, they shot over the town and its critical shipyards. That measure saved St. Michaels from the fate that fell upon Washington, D.C., which the British burned to the ground a year later.

Meanwhile, the St. Michaels militia returned fire from artillery batteries at Impy Dawson's Wharf and Mill Point.

In the long run, only one residence was hit by the British during the Battle of St. Michaels, a brick dwelling near the harbor now called "The Cannonball House." Fairly rapidly, the landing party retreated to their boats. The town suffered little damage, and there were no American fatalities. Meanwhile, the Easton Republican-Star reported that the British suffered 29 casualties during the brief invasion.

Today, St. Michaels is a much more peaceful place, having become a major tourist attraction and seaside resort over the past three decades. Charming is usually the first word that comes to mind when describing the town's appearance and ambience, with its myriad inns, restaurants, summer cottages and shops, as well as the Chesapeake Bay Maritime Museum.

There's plenty of walking and sightseeing to be enjoyed along St. Michaels' waterfront. Among the sights is the Hooper Strait Lighthouse, which in 1966



The Hooper Strait Lighthouse, which today is part of the Chesapeake Bay Maritime Museum in St. Michaels, was originally located between Hooper and Bloodworth islands, at the entrance of Tangier Sound. The screw-pile lighthouse was relocated to the waterfront in St. Michaels in 1966.

Courtesy photos

was moved from its original site near Tangier Island and placed at its current home at Navy Point in St. Michaels. A screwpile lighthouse built on special iron pilings, it was constructed in 1879 and saved from the wrecking ball when it was relocated to St. Michaels.

There are also self-guided tours of the lovely Victorian, colonial and federal homes and historic churches bordering St. Mary's Square. In addition, not to be missed are the chartered cruises, skipjacks and tour boats leaving from the picturesque harbor to sail up and down the Miles River.

Named after an Anglican parish called Saint Michael the Archangel, the town was founded in 1677 and initially functioned as a trading post for trappers and tobacco farmers. Laid out on 20 acres in the 1770s as a speculative development by British land agent James Braddock, St.

Michaels was incorporated in 1804. Braddock donated land for a Methodist church in the center of St. Mary's Square, and the Sardis Chapel remains on the site.

Practically from its inception, St. Michaels was known as a shipbuilding town where craftsmanship and nautical know-how were highly valued. Fast schooners were largely built there, including the famed Baltimore clippers, which were well suited for outrunning foreign naval blockades and pirate vessels. In the 19th and early 20th centuries, the town's economy also focused on the seafood processing, tobacco growing and packing industries.

Later in the 20th century, St. Michaels became a sailing haven and tourist magnet, much prized by its preservation-minded citizens for its history and tranquility. Today, St. Michaels has a population of a little more than 1,000

souls, but the town has lodging and dining accommodations and services that can handle 100,000 visitors annually.

Interestingly, among the movies filmed in St. Michaels over the years are "Clara's Heart" starring Whoopi Goldberg and Neil Patrick Harris and "Wedding Crashers" with Vince Vaughn and Owen Wilson. Also, the plot of John Grisham's book "The Testament" largely features St. Michaels.

St. Michael's motto is "Historic Charm, Nautical Adventure, Romantic Spaces." Seven years ago, the town was named eighth on a top 10 list of romantic escapes in the United States by Coastal Living Magazine.

Take a walk down St. Michaels' candlelit streets or embark on a nighttime cruise, and you may see what all the fuss is about. Unlike the Brits, you won't be fooled. You'll simply be charmed.

Lecture series leverages lessons from the past

By **NANCY JONES-BONBREST**

PEO C3T

Email was the new mainstream, the release of the iPhone was seven years away and Sept. 11, 2001 was nothing more than a date on a calendar.

It was March 8, 2000, and the now retired Lt.

Gen. William Campbell, as director of the Army's Information Systems for Command, Control, Communications and Computers, was speaking to Congress at a hearing on information superiority and information assurance. During his testimony he pushed for a digitized Army, one that achieved seamless and secure end-to-end connectivity from installation to the deployed Soldier.

"As the Secretary of the Army and Chief of Staff of the Army have testified, our Army today has the world's best heavy forces and the world's best light forces, but to respond effectively to 21st Century requirements, we must change," Camp-



Campbell

bell said. "We must transform the Army... Information technology will enable the Army and our sister services to dominate future battlefields."

Campbell's forward-looking vision set the precedent for today's modernized Army, which is now fielding its high-speed, mobile tactical communications network to some of its most expeditionary light and heavy units. More than 15 years after that testimony, Campbell will offer new insights for today's Army as the first speaker in a new lecture series that kicks off at the Army's center of excellence for communications and electronics.

The inaugural event in the Excellence in Acquisition Lecture Series will take place 1 p.m. Sept. 30 in the Myer Auditorium at Aberdeen Proving Ground (APG),

Maryland. The event is free and open to the entire APG workforce.

Created by the Program Executive Office for Command, Control and Communications-Tactical (PEO C3T), the lecture series provides an opportunity for former Army acquisition leaders to share their expertise and engage in discussion with the APG workforce.

Campbell led PEO C3T when it was located at Fort Monmouth, N.J., and was called PEO Command and Control Systems, from January 1993 through July 1995. He led PEO Command, Control and Communication Systems for the next two years. Prior to that he served as the Army's Program Executive Officer, Intelligence and Electronic Warfare from November 1987 through April 1992.

Campbell's career culminated in July 2000 with his duty as the Director of Information Systems for Command, Control, Communications and Computers and the Chief Information Officer of the U.S. Army. He also led the Army's campaign to improve computer security and initiated the Army's biometric identification program.

"The contributions we make in support of our Soldiers each day would not be possible without the vision and foresight of our previous leaders," said Brig. Gen. Daniel P. Hughes, program executive officer for C3T. "General Campbell's commitment to excellence has helped keep today's Soldiers connected and safe, while also shaping how we develop, procure and deliver state-of-the-art capabilities to the Army."

The lecture series will be held quarterly, focusing on the intersection of acquisition and the Army's command, control, communications, computers, intelligence, surveillance and reconnaissance (C4ISR) technologies.

"It's important to know the history of Army acquisition so we can learn from the lessons of the past," Hughes said. "This will allow us to make wiser decisions now and to smartly plan for the future."

"The contributions we make in support of our Soldiers each day would not be possible without the vision and foresight of our previous leaders."

Brig. Gen. Daniel P. Hughes
Program Executive Officer for C3T

Obtaining CAC and DOD identification cards

DHR

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

Appointments are the preferred method for you to receive your CAC or other ID card. Scheduling your own appointment is only a "click" away. We have expanded the online Appointment Scheduler to

maximize the number of available appointments. Your time is valuable and we want you to select a day and time that is convenient for you. As a reminder, you may renew your CAC/ID Card 90 days prior to the current expiration date.

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

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

Active Duty – Dependent, CAC One and CAC Two.

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

CAC One should be selected by a civilian employee, contractor or authorized patron to schedule an appointment.

CAC Two should be selected by a civilian employee, contractor or authorized patron to schedule an appointment if nothing is available under the CAC One path that meets their needs.

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

Trusted Agents should call 410-306-2348 to schedule block appointments for

large groups of contractors.

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

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

APG SUMMER SAFETY

Safe Passage: Boating safety rules save lives

USACR/SC

Whether you're fishing, swimming, tubing or just cruising along taking in the scenery, spending a day on the water is a great way to relax and enjoy the outdoors. For the uninitiated or unprepared, however, the water can be deadly. Taking just a little time to learn the nautical rules of the road will go a long way toward keeping you and your passengers safe on the water.

Know-how

Knowing your boat is the first step. Even if you're not the owner, you are still responsible for your safety as a passenger. Be sure to know the location of all personal flotation devices, fire extinguishers, emergency signaling devices and other safety gear. Also get a lesson on the boat's basic operation — how it starts and stops and how to use the emergency radio. The more time you take to educate yourself, the safer you'll be should an emergency occur.

Weather can be a boater's best friend or worst enemy. Be sure to check the forecast before you depart and know what to do in the event of inclement conditions.

Equipment

The following safety devices are a must for all boaters, but are especially vital when the weather gets bad.

- Personal flotation devices. Many states require at least one properly sized PFD be available for each person onboard any watercraft. According to the U.S. Coast Guard Auxiliary, 672 Americans died in boating accidents in

2010, and about 88 percent of drowning victims were not wearing a lifejacket even though one was available. Don't take the chance — always wear a lifejacket or other PFD while on the water.

- Whistle. Always keep a waterproof whistle handy. If the weather turns or visibility is limited, blowing your whistle will let other boaters know your location. In other emergency situations, blowing constantly can attract attention from anyone within earshot and ensure help is summoned.
- Flashlight. A flashlight will allow other boaters to see you in bad weather, or it can be used as a signaling device in the dark.
- Oars. All boats should have two oars safely stowed onboard in the event of engine trouble. Oars should be stored in the oarlocks to keep them secure if the boat tips.
- Bucket. A bucket is useful for bailing out water that gets into the boat.
- First aid kit. Anything can happen on the water, so be prepared with a first aid kit and know how to use it properly.
- Blanket. The body loses heat quickly in wet clothing, even during summer. Keep a blanket onboard and use as necessary to keep warm.



- Ropes. Keep two ropes onboard at all times, one for tying the boat and the other to help any passenger who goes overboard.
- Mirror. A mirror or other shiny object is perfect for daytime signaling.
- Garbage bags. In the absence of more formal gear, garbage bags can work as ponchos or shelter to protect

against rain.

- Plastic bag. A large plastic bag will help keep all your safety gear dry and secure. An orange bag is especially useful because it can be used to signal for help.

Do's and don'ts

Boating under the influence of alcohol doubles the probability of a watercraft accident and can be as deadly as drinking and driving. In fact, during 2010, approximately 16 percent of all boating deaths in the United States were attributed to alcohol, according to the USCGA. Local law enforcement agencies and the U.S. Coast Guard work together to enforce state and federal boating laws, and penalties for boating under the influence include fines, suspension or revocation of boat operator privileges and jail time.

It's also important to let someone know your trip details, whether by filing an official float plan or simply leaving a

detailed itinerary with a friend or Family member. Details should include location, passenger names and approximate departure and return times. The need for a float plan applies to boats of all sizes and is equally important if you're heading out on a sleek fishing vessel or just getting some exercise in a kayak.

Emergencies

On the water, there's always the chance someone could fall overboard. Should that happen on your boat, kill the engine unless the individual is clearly out of range of the boat's props. If the person is close enough to catch a life preserver or rope, throw it to them and, if necessary, start the engine and head into the wind toward his or her location. Once the individual has a grip on the PFD or rope, tie one end to the boat and pull slowly so he or she drifts without struggling back to the boat. If the person can't get back into the boat by his or her own power or you can't lift them into the boat, ensure they have a PFD available, lower anchor and call for help.

Training

Lastly, take a boating safety course. All military installations and most states require operators to successfully complete a boating class before they leave shore. Contact the Family and Morale, Welfare and Recreation directorate or visit <http://www.cgau.org> to find classes and locations.

For more information on boating safety, visit the U.S. Army Combat Readiness/Safety Center website at <https://safety.army.mil>.

New synthetic bones help Army scientists

By T'JAE GIBSON
 ARL

Shock waves from battlefield explosions are invisible threats for U.S. Soldiers and their top-of-the-line combat helmets, but with new studies in synthetic human physiology, researchers are learning how to lessen blast wave effects on the brain.

Exactly how, and to what degree, these waves cause brain damage is what the U.S. Army Research Laboratory scientists and engineers and a group of university partners are trying to answer as part of a multi-year, multi-disciplinary research project. That research is the focus of the latest episode of "Inside the Lab," an ARL-produced feature news broadcast.

In a related research project, Army researchers are investigating new material developments for helmet padding systems and from this research, they expect greater insight and innovation in addressing what is likely to be the next big development in head protection: strategies for mitigating the effects of blast.

Synthetic bones

Researchers are creating synthetic cranial bones that look and behave like the skulls of 20- and 30- year old Soldiers that will be tested in laboratory experiments that mimic combat-like blast events in hopes of improving military helmet pads, shells, and other protective equipment.

Dr. Thomas Plaisted, materials engineer in the Materials and Manufacturing Science Division at ARL, said even though synthetic bones are commercially available they're used primarily by doctors to practice surgical procedures. But, their design prevents them from "behaving like real human bones when subjected to blast tests."

"The mechanical properties of the human skull change with age and depend on the health of the individual. Donor skulls that may be available for testing would typically come from older people, and the properties of those skulls can be

highly variable and may not have the same response as the average skull of the Army Soldier population," said Plaisted.

He said this is among the variables that "add uncertainty when trying to evaluate head protection devices, like helmets."

"So we are developing our own synthetic bone capturing material and architecture response, specific to the human skull."

Uniform response

The skull simulant ARL researchers are developing is made of synthetic materials with the goal of creating a uniform response that is representative of the Soldier population to use in tests to understand how to best protect the head during exposure to blast waves and blunt impact.

"The cranial bones have a highly-graded structure, from a tough outer layer, a spongy inner section, to a more brittle inner layer, which together are responsible for how it responds under impact conditions," he said.

Slice-by-slice images taken from a CT scan help researchers get the geometry and structure of the skull right. ARL composite materials combined with these images rely on 3-D printing technology to produce models of bone-like surrogates that ARL researchers will use to test new helmet padding materials in simulated blast and impact conditions. The goal is to determine how the pads and helmet shell materials protect the head from injury, Plaisted said.

"We are developing new helmet padding materials to improve the impact protection afforded by the Army's helmets. The helmet can withstand impact at a certain velocity while protecting the head from accelerations that would lead to injury. In the extreme case, excessive acceleration may lead to skull fracture," he said.

"We are using computer modeling of head and helmet impacts to understand how tailoring the padding properties can reduce acceleration at various impact loca-



U.S. Army photo

Synthetic cranial bones, as shown here, are being created by the Army Research Laboratory to behave like the skulls of 20- and 30- year old Soldiers' bones. These stimulants have a highly-graded structure, from a tough outer layer, a spongy inner section, to a more brittle inner layer, which together are responsible for how it responds under impact conditions, Dr. Thomas Plaisted said.

tions around the helmet. Then, those properties are engineered into materials and tested in the laboratory to validate what we are seeing in the computer models. The research is giving insight on optimal material structures and material combinations that achieve increased energy absorption while still being comfortable to wear."

Properties

Earlier this year, ARL evaluated the base material of the synthetic bones by hitting it a high rate and comparing the fracture properties to human bones tested by the same technique. They've determined it to be a "close match" to human bones, he said.

"Our next step is in determining the limits of resolution we can achieve with the 3-D printing, and how fine the resolution needs to be to capture the properties we are looking for."

He said he expects to start printing synthetic skulls with 3-D technology by the fall.

"Part of ARL's mission is to take varying levels of risk in finding state of the art science and developing the technolo-

gies that could potentially provide the Soldier with more protection, more capability, or both. What is equally important is that ARL strategically reduce the risk of these new technologies so that RDECs, such as Natick Soldier RDEC, can begin to think about how they would integrate into a larger Soldier "system."

Many of ARL's material, processing, and conceptual technologies were transitioned and demonstrated in NSRDEC's "HEaDS UP" program, according to Dr. Shawn Walsh, who leads ARL's Agile Manufacturing Technology Team.

"[Dr. Plaisted's] efforts are unique in that he is bringing fundamental material science and modeling to the dual problem of accurately representing biological systems (for example the skull) and coupling this biological model to a materials model to provide better insight on how impulses are transmitted during an impact to the helmet and head," Walsh said. "Such insight will lead to new and quantifiably proven methods for reducing the adverse effects of violently applied forces to the head and helmet system," Walsh said.



Heidi Smith Military Personnel Specialist

As a military personnel specialist for the Headquarters & Headquarters Company (HHC) Garrison at Aberdeen Proving Ground, Heidi Smith is tasked with processing leave forms and finance actions,

in-processing and out-processing Soldiers assigned or attached to HHC, conducting daily distribution runs to post organizations, answering phones, responding to pay inquiries and military correspon-

dence, and other miscellaneous activities.

"The best thing about my job is helping Soldiers. Being prior military, I'm familiar with the lingo and what goes on and what they're going through. I understand them and can empathize," said Smith, who served in the Army from 1993-1999.

Prior to coming to APG in September 2013, she worked as a human resources assistant for Bravo Company's Warrior Transition Battalion at Fort Wainwright in Fairbanks, Alaska.

Smith said she thoroughly enjoys working at APG.

"It was an easy adjustment for me. It felt good to be out of Alaska, even though

I really love Alaska. But getting a change of scenery is good," she said. "APG is unique. There aren't as many Soldiers here as I thought there would be or am used to. But I like that it's a smaller post and that it feels like a small town. People are friendly here."

In particular, Smith said she enjoys working with the HHC crew.

"I really enjoy my co-workers and being part of a team," she said. "We work well together and we click. Without their help, I couldn't get my work done."

For more information, contact Smith at 410-278-2634 or email heidi.a.smith12.ctr@mail.mil.

MARK YOUR CALENDAR

FRIDAY

AUGUST 15 OPERATION HOMEFRONT SCHOOL SUPPLIES

The Operation Homefront Back to School Brigade will distribute school supplies to eligible recipients 2 to 6 p.m. at VFW Post 10028, 821 Old Philadelphia Road in Aberdeen (between Route 715 and Walmart). Eligible recipients include children of deployed, wounded and active duty service members in the ranks of E-1 through E-6. in the Army, Navy, Marines, Air Force and Coast Guard, including National Guard and Reserve. E-7s with a need should contact Martha "Marti" King, 20th CBRNE Command Family Readiness Group.

To register, or for more information, go to www.operationhomefront.net and click on "Upcoming Events." Users must create a profile to register. Identification of all children registered will be required the day of the event. For more information, contact Martha "Marti" King, 20th CBRNE Command Family Readiness Group, at 410-436-0308; 443-949-6665, or email martha.r.king4.civ@mail.mil.

SATURDAY

AUGUST 16 COMMUNITY BBQ

The APG Gospel Service will host a Community Barbecue and Fellowship 10 a.m. to 2 p.m. at the Capa Field picnic area in APG South (Edgewood). This event includes free games, a jump-house and free food and refreshments. For more information, contact the Main Post Chapel at 410-278-4333.

MONDAY

AUGUST 18 JLENS COLOR UNCASING CEREMONY

Alpha Battery, 3rd Air Defense Artillery (JLENS) will host a Color Uncasing Ceremony 10 a.m. at the APG North (Aberdeen) recreation center. JLENS (Joint Land Attack Cruise Missile Defense Elevated Netted Sensor System) is an aerostat (blimp) -borne radar system used to protect infrastructure from a variety of incoming threats including missiles, manned aircraft and unmanned aircraft. The unit recently relocated to APG from Yuma Proving Ground, Arizona. For more information, contact 1st Lt. Shane Glass at shane.c.glass@mail.mil.

TUESDAY

AUGUST 19 GARRISON TOWN HALL

All members of Team APG are invited to attend the Garrison Town Hall Tuesday, 10 to 11:30 a.m. at the APG North (Aberdeen) post theater. Attendees at APG South (Edgewood) can join in via video teleconference at the EA Conference Center, Bldg. E4810.

Come and receive the latest information from the Garrison Commander, Col. Gregory McClinton, Garrison Command Sgt. Maj. Jeffrey Adams and Garrison directors.

Have questions? Take advantage of this opportunity to ask the garrison leadership what you want to know.

Questions can be submitted in advance to Lisa McClure at 410-278-0003 or email lisa.a.mcclure9.civ@mail.mil or during the Q&A session.

Town Hall topics will include educational opportunities, an introduction to the new Team APG website; Fall/Winter trips, programs and events; and raffles.

For more information, call 410-278-1147.

WEDNESDAY

AUGUST 20 EMPLOYMENT RESOURCE DAY & EXPO

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

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

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

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

THURSDAY

AUGUST 21 WOA MEETING

The U.S. Army Warrant Officer Association's Aberdeen-Edgewood "Silver" Chapter will hold its quarterly meeting at the APG North (Aberdeen) recreation center, Bldg. 3326, room 102. Lunch will be provided 11:30 a.m. and the meeting will be held noon to 12:45 p.m. For additional information, contact retired Chief Warrant Officer 4 Owen McNiff at 571-243-6561, 443-861-1936 or email omcniff@yahoo.com.

WOMEN'S EQUALITY DAY

The Women's Equality Day program will be held 10:30-11:30 a.m. at the Mallette Training Facility, Bldg. 6008. The guest speaker is Dr. Carla Kendrick, principal enterprise architect for the MITRE Corporation.

The program includes the selection of the Woman of the Year and the Organization Most Supportive of Women as well as the winner of the Federally Employed Women's scholarship.

For more information, contact Master Sgt. Jay Shearer, PHC, 410-436-4375, jay.c.shearer@mail.mil; Elizabeth Young, AMSAA, 410-278-1392, elizabeth.h.young.civ@mail.mil; Teresa Rudd, ECBC, 410-436-5501, teresa.d.rudd.civ@mail.mil; Tracy Marshall, CECOM EOA, 443-861-4366, tracy.y.marshall.civ@mail.mil; or Karen Jobses, Garrison, 410-436-4429, karen.w.jobses.civ@mail.mil.

BLOOD DRIVE/BONE MARROW REGISTRY

The Armed Services Blood Program returns to the APG South (Edgewood) recreation center, 9 a.m. to 1 p.m. All those with access to APG are eligible to donate. To register, in advance, go online to www.militarydonor.com, search for drive using sponsor code: APGMD. Walk-ins are welcome.

In addition to the blood drive, a Bone Marrow Registry will be held supporting the C.W. Bill Young Department of Defense Bone Marrow Donor Program or Salute to Life. Information about the program can be found at <https://www.salutetolife.org/index.html>.

According to Spc. Cassandra Rousayne, MRICD, even those deferred from donating blood are potential bone marrow donors.

"This is a chance for people to give in a way they never considered," she said.

For more information, contact Rousayne at 410-436-6695 or email cassandra.rousayne@us.army.mil.

DENTAL CLINIC CLOSURE

The Aberdeen Proving Ground Dental Clinic will close Thursday, Aug. 21 and resume normal business hours Friday, Aug. 22. For more information, contact Spc. Crystal Thomas at 410-278-1798.

MONDAY

AUGUST 25 APG THEATER GROUP

The APG Theater Group will hold its first meeting of the 2014-15 season at 5 p.m. at the APG North (Aberdeen) recreation center. All are welcome, regardless of acting experience. Energy and enthusiasm are vital qualities that can outweigh mere talent. If you have the passion, you are needed so get ready for loads of fun, learning theatre or contributing - with makeup, set design, etc., - behind the scenes. Either way - the fun is about to begin.

The APG Theater Group is an all-volunteer group and program that has produced mystery dinner theaters, dramas, comedies and variety shows for APG audiences. Volunteer categories include theatrical (actors), musical (singers), spoken word and stage crew. There is something for everyone!

For more information, call 410-278-4011 or stop by the recreation center, Bldg. 3326 Erie Street.

SATURDAY

AUGUST 30 FWP/FEW WOMEN'S HOME BUILD

The APG Federal Women's Program and the Maryland Tri-County Chapter of Federally Employed Women are looking for Team APG members to join them in a Women's Only Home Build project. The event takes place 7:30 a.m. to 3:30 p.m. and participants must register by Aug. 25.

A safety class is mandatory for participation. Training is available online and is a part of the registration process: Create a User Account; Sign a Waiver of Liability; and complete Safety Training.

Then, click the link to the construction calendar and select your build days.

For more information, contact Linda Patrick, 410-436-1023; Tracy Marshall, 443-861-4366; Sheryl Coleman, 410-278-5964; Teresa Rudd, 410-436-5501;

Capt. Tamika McKenzie, 410-436-1591; or Diane Siler, 443-243-7344.

WEDNESDAY

SEPTEMBER 10 2014 WARRIOR-FAMILY SYMPOSIUM

The Military Officers Association of America will co-host the 2014 Warrior-Family Symposium at the Ronald Reagan Building and International Trade Center in Washington, D.C. The event, "Transitioning Forward: Warrior, Military Families and Civilian Communities," will be held 8:30 a.m. to 3 p.m. Registration starts 7:30 a.m.

The symposium will provide a forum through panels and workshops for government and non-government organizations to explore the issues and needs service members, veterans, Family members and caregivers face when tackling the transition to civilian life while managing combat-related stress, mental health or behavioral health care concerns.

Keynote speakers include Gen. James F. Amos, commandant of the U.S. Marine Corps, and Medal of Honor recipient retired Sgt. Kyle White.

To register or to view the complete event agenda, visit www.moaa.org/wfs.

THURSDAY

SEPTEMBER 18 APG MOTORCYCLE MENTORSHIP RIDE 2014

Team APG will host the 2014 Motorcycle Mentorship Ride 7 a.m. to 3 p.m. starting from the Main Exchange parking lot. After a safety check and briefing, riders will head to the Harley Davidson Factory in York, Pennsylvania for an open house event featuring food vendors, dealer tents, live entertainment and more.

To enter APG riders must wear: DOT approved helmet, ¾ or full-faced; brightly colored long-sleeve shirt, jacket or reflective vest; full-fingered gloves; over the ankle shoes/boots.

Military personnel must carry MSF card.

KSU (kickstands up) at 8 a.m.

For more information, contact HHC Garrison 1st Sgt. Daniel Nelson at 410-278-3000; or Mike Allen at 410-207-8442.

TUESDAY

SEPTEMBER 30 EXCELLENCE IN ACQUISITION LECTURE SERIES

Retired Lt. Gen. William Campbell will offer new insights for today's Army as the first speaker in the new Excellence in Acquisition Lecture Series starting 1 p.m. in the Myer Auditorium. This event is free and open to the entire APG workforce.

SATURDAY

OCTOBER 18 MILITARY RETIREE APPRECIATION DAY

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

ONGOING THROUGH AUGUST 19 EDUCATION CENTER SUMMER SEMESTER

The Army Education Center on-post college schedule for the summer semester is as follows:

- Central Michigan University, through - Aug. 19

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

HOT WORK PERMIT

The APG Fire and Emergency Services has a new number phone number to request a Hot Work Permit. A permit can be obtained by calling 410-306-0001. When is a Hot Work Permit required?

A Hot Work Permit is required before performing electric and gas welding, cutting or soldering operations requiring an open flame device, and for outdoor cooking with a grill, or similar device.

Please try to give 24 hours notice prior to the work or event. Leave a message if there is no answer. The inbox is checked throughout the day.

For more information, call 410-306-0001.

CPR, AED CLASSES SCHEDULED

The APG Fire and Emergency Services Division of the Directorate of Emergency Services has released its schedule for CPR and automated external defibrillator (AED) classes for 2014. Two classes will be held the third Wednesday of each month at 9 a.m. and 1 p.m. in the same location. Aug. 20, Edgewood Conference Center Sept. 17, APG North (Aberdeen) chapel Oct. 15, Edgewood Conference Center Nov. 19, APG North (Aberdeen) chapel Dec. 17, Edgewood Conference Center

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

MORE ONLINE

More events can be seen at www.apgnews.apg.army.mil/calendar.

BY THE NUMB#RS

Getting to know
Baltimore Orioles history

49,828

Record attendance for a single game at Oriole Park at Camden Yards (July 10, 2005)

2,632

Number of consecutive games played by retired Orioles shortstop/third baseman Cal Ripken Jr.

1,480

Career wins for the late Orioles manager Earl Weaver (and 1,060 losses)

268

Career wins for retired Orioles pitching ace Jim Palmer (and 152 losses)

34

The Memorial Stadium upper-deck section where the late Orioles super-fan "Wild Bill" Hagy led his famous O-R-I-O-L-E-S chants during the late 1970s and early '80s

16

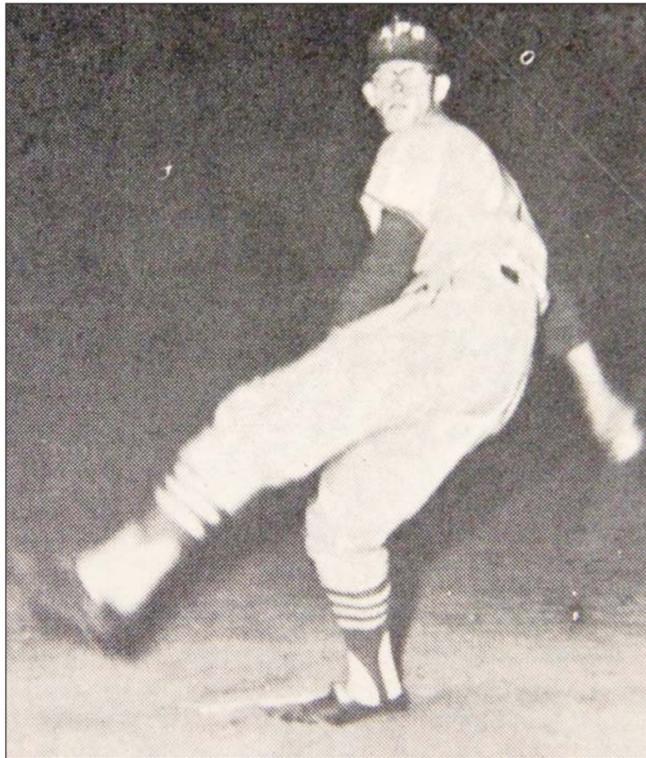
Gold Glove Awards presented to retired Orioles third basemen Brooks Robinson

Alan Feiler, APG News

APG NEWS

This Week in APG News History

By YVONNE JOHNSON, APG News



50 Years Ago

Aug. 13, 1964

Clockwise from top left:
Capt. Eulalia M. Smith is the newly-assigned commander of the WAC Detachment. Smith comes from Yuma Proving Ground, Arizona and previously served as a Basic Officer at Fort McClellan, Alabama.

APG Bombers pitcher Gene Brabender hurls a no-hitter while preparing for the Second Army Championships. Brabender struck out 24 after facing 29 batters and walked only three. Brabender also hit his sixth and seventh home runs of the season in the 10-0 shutout of the Baltimore Pirates.

APG announces it will name the Special Services Golf Course on Access Road after the proving ground's first commander, Brig. Gen. Colden L'Hommedieu Ruggles. Ruggles was a colonel when he commanded APG from January to March 1918. He was the commanding officer at Sandy Hook Proving Ground, New Jersey from December 1915 to March 1918.

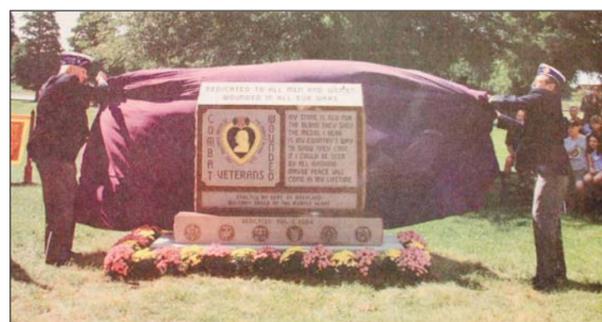
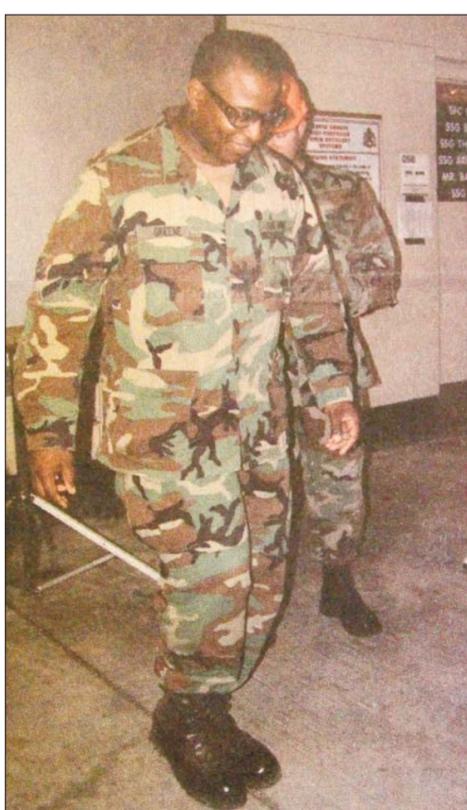
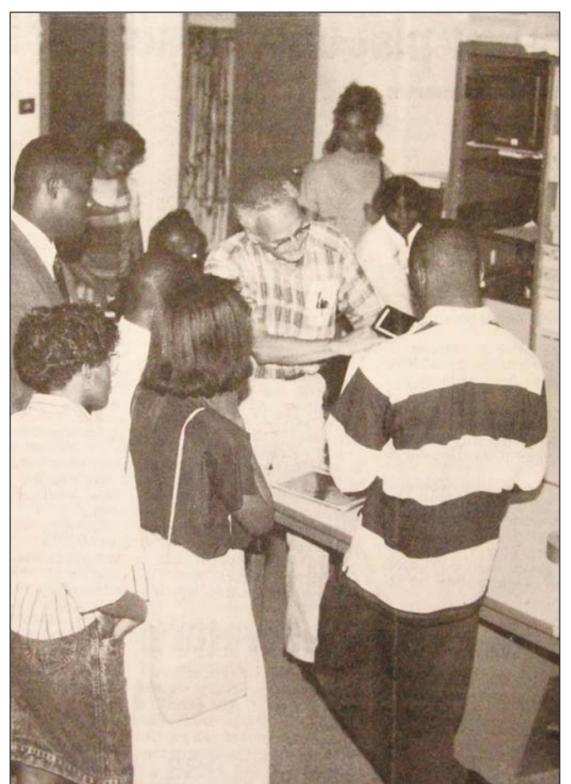
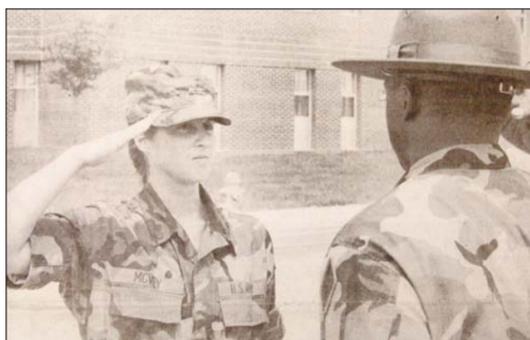
25 Years Ago

Aug. 16, 1989

Clockwise from top left:
ROTC cadet Wendy McVey, from James Madison University, takes over as acting platoon leader from a drill sergeant for the 16th Ordnance Battalion as part of the two-week training program known as Cadet Troop Leadership Training.

George Garinther, center, discusses noise reduction technology in acoustical research at the Behavioral Research Division's Human Engineering Laboratory during a tour with students from the University of Maryland and Morgan State University.

(From right) Maj. Gen. George H. Akin, post commander, and Edna Goldberg present Edna's husband Solomon S. Goldberg, deputy chief counsel, Staff Judge Advocate Office, Army Test and Evaluation Command, with his own parking space; his reward for surpassing 40 years of service to the government.



10 Years Ago

Aug. 12, 2004

Clockwise from left:
Private William Green, Company A, 143rd Ordnance Battalion, tries to walk a straight line while wearing goggles that simulate intoxication at the DUI/Drugs & Alcohol station during Safety Awareness Training.

(From right) Pvt. Dana Spidle, Company A, 143rd Ordnance Battalion, uses a fire extinguisher to douse the flames in a burning car as Edgewood Area firefighters Capt. Josh Hamilton and Donald Wehry look on during Safety Awareness Training at the Ordnance Mechanical Maintenance School.

(From left) Orville R. Hughes and James A. Hontz Jr. unveil the State of Maryland Purple Heart Monument at APG during a dedication ceremony. Hughes and Hontz are Department of Maryland Military Order of the Purple Heart officers and past commanders.



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."

Leave Donations

To participate in the Voluntary Leave Program, use forms OPM 630, Application to Become a Leave Recipient Under the Voluntary Leave Transfer Program; OPF 630-A, Request to Donate Annual Leave to Leave Recipient Under the Voluntary Leave Transfer Program (within agency); or OPM 630- B, Request to Donate Annual Leave to Leave Recipient Under the Voluntary Leave Transfer Program (outside agency). Please contact Cathy Davis at 410-306-0152/DSN 458-0152 or cathy.a.davis4.civ@mail.mil.

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Eberhardt, Joanne	McIntire, Melinda	

WORD OF THE WEEK

Surreptitious

Pronounced: sur-uh p-TISH-uh s

Part of speech: Adjective

Definition:

1. Obtained, done, made, etc., by stealth; secret or unauthorized; clandestine: (A surreptitious glance).
2. Acting in a stealthy way.
3. Obtained by subreption; subreptitious [deliberate concealment of facts]

Related forms:

Surreptitiously, adverb
Surreptitiousness, noun

Use:

- She completed the assignment in a surreptitious, secret manner.
- His surreptitious activities were unknown even to his closest friends.
- She had a surreptitious relationship with her doctor.
- He conducted the experiment surreptitiously for fear the subjects would decipher his intent.

By **YVONNE JOHNSON**, APG News

ACRONYM OF THE WEEK

MDA

Missile Defense Agency

The Missile Defense Agency is a research, development, and acquisition agency within the Department of Defense that works on ballistic missile defense systems for the United States and its allies.

Its workforce includes government civilians, military service members, and contractors in multiple locations across the United States focused on developing, testing and fielding an integrated Ballistic Missile Defense System (BMDS). The MDA works closely with the combatant commands (e.g. Pacific Command, Northern Command, etc.) that rely on the system to protect the United States, forward deployed forces, and friends and allies from hostile ballistic missile attacks. It also works to ensure the development of a robust BMDS technology and development program to address the challenges of an evolving threat. For more information, visit the MDA website at <http://www.mda.mil/index.html>.

ARL neuroscience program successful example of 'Open Campus' concept

By **JOYCE M. CONANT**
ARL

The U.S. Army Research Laboratory recently initiated an Open Campus pilot program at its Adelphi, Maryland., campus to foster better collaboration across industry, academia, and government. ARL's Open Campus program plans to lead to the continuous flow of people and ideas to ensure transformative scientific discovery, innovation, and transition that are critical to national security.

One example of an ARL research team that over the past several years has been embracing some of the core tenets of collaboration found in Open Campus is the Human Research and Engineering Directorate's Translational Neuroscience group. Through their partnerships with collaborative technology alliances, or CTAs, and university-affiliated research centers, or UARCs, ARL researchers, industry, and academia are working together inside ARL labs to develop greater outcomes in the area of neuroscience.

Dr. Kaleb McDowell, who leads ARL's translational neuroscience branch, said that meaningful collaborations with the CTAs and UARCs are enhancing their ability to fundamentally advance the science while supporting ARL's broader mission in translating basic neuroscience from the bench to the battlefield.

"We have found these partnerships to be very beneficial to our research," said McDowell. "For example, we have academic and industry researchers who split time working side by side with our researchers as well as regularly work at research laboratories around the world. We have observed that these researchers who split their time between laboratories

can change the communications between ARL and other laboratory groups.

"Critically, we observed that these changes are not typically limited to the single project that the researcher is working on, but extend across projects and has ramifications from enhanced shared understanding of complex laboratory-level research goals to enabling more collaborations across different researchers within the laboratory groups.

"This is more than just working together at the lab—it extends our collaborations in a fundamental way."

McDowell said a CTA postdoctoral fellow, Vernon Lawhern, who was with the University of Texas at San Antonio, started working with ARL researchers in May 2011 and three years later was hired as a fulltime ARL employee.

"Vernon was very quiet when he first came to work at the lab," McDowell said. "I believe that if he was only here once and a while and working back at the university he would have only worked on that one particular project, but by being here at the lab, and being a part of the everyday 'water cooler' conversations, Vernon was able to understand and

become involved in several other ongoing projects.

"Importantly, not only did he share his own ideas on these projects, but his in-depth understanding of the efforts at both UTSA and ARL enabled him to make important research connections with his advisor's, Dr. Robbins, research, as well

as that of another professor, Dr. Huang; both of whom are substantially more integrated with ARL than they were before Vernon arrived."

Collocation

Lawhern agreed that collocation was extremely beneficial.

We have observed that these researchers who split their time between laboratories can change communication between ARL and other laboratory groups..

Dr. Kaleb McDowell
ARL Translational Neuroscience



U.S. Army photo by Joyce M. Conant

(From left) Dr. Kenneth Ball, a postdoctoral researcher with the University of Texas at San Antonio; Stephen Gordon a scientist with DCS Corporation; and ARL Statistician Vernon Lawhern discuss results of a recent analysis. This collaboration is an example of researchers working together inside a U.S. Army Research Laboratory lab to develop greater outcomes in the area of neuroscience.

"I think working side by side with academic, industry, and ARL scientists enables all parties to have more regular conversations about research projects and allows for frequent exchange of ideas as well as concerns, some of which are difficult to articulate without frequent dialogue," said Lawhern. "The daily interactions I've had with several scientists from both the CTA and ARL have personally helped me understand difficult concepts from several viewpoints (academia, industry, and government) that I couldn't have gotten easily by other means."

McDowell said that these types of partnerships are critical for attaining complex goals that require bridging scientific disciplines and sectors of the workforce. People come in with different perspectives, assumptions and even definitions for the same words. It often takes substantial face-to-face time to reach a common understanding that is the foundation for successful science and engineering.

Partnerships

For these reasons, McDowell said ARL's translational neuroscience group

has been pursuing these types of partnerships when working across ARL directorates, government research laboratories, academia, and industry.

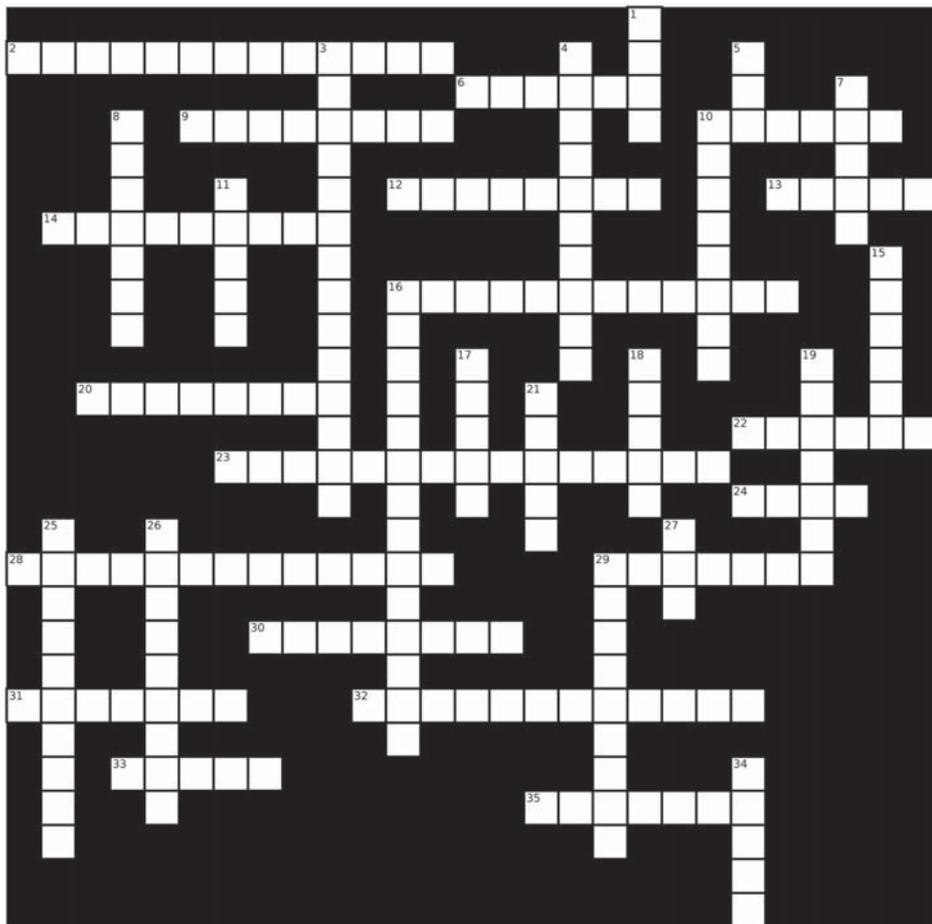
McDowell also said he believes the ARL perspective is extending out to their partners.

"For example, our CTA has a requirement for four researchers to be on-site at ARL; however, four years into the collaboration the CTA is not only meeting that requirement, but has also placed an additional seven researchers at ARL that are not required to be here," said McDowell.

ARL Public Affairs Officer Tom Moyer said these are the types of partnerships that will create a more efficient and effective defense laboratory that can be adaptive and responsive to the challenges of 21st century national security.

"Formal and informal interactions among scientists lead to knowledge-building and research breakthroughs as seen by the examples of the translational neuroscience group," said Moyer. "By bringing together academia, industry, and government, the Army can enhance its performance through on-site research and development collaboration."

The APG Crossword



Think you know a lot about Maryland? Try your hand at this week's crossword puzzle. The completed puzzle will be published in next week's paper.

Across

- 2. School Brigade
- 6. Calvert County town

- 9. The Dr. Edward J. _____ Advanced Chemistry Laboratory
- 10. Field Deployable Hydrolysis _____

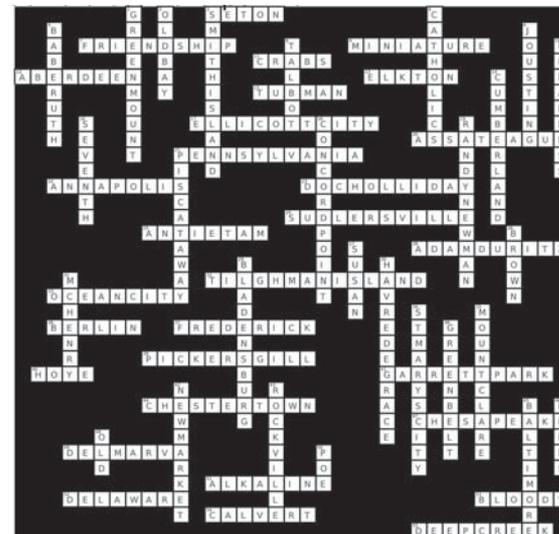
- 12. Senator who spoke at Edgewood facility's recent ribbon-cutting
- 13. City where Outlook Nebraska Inc. is headquartered
- 14. Aberdeen's baseball team
- 16. Orioles' late super-fan
- 20. Surname of Brit admiral who tried to invade St. Michaels
- 22. 40-plus nests at APG these days
- 23. Former ballpark in Baltimore
- 24. Officer Charles _____
- 28. Manager of AbilityOne Base Supply Center
- 29. They love the sound of running water
- 30. Surname of speaker for Excellence in Acquisition lecture series
- 31. Synthetic _____ bones
- 32. Has worked at AbilityOne Base Supply Center since 2006
- 33. Threw out first pitch at `Night at the IronBirds'
- 35. Maryland town where Open Campus pilot is located

Down

- 1. President who signed first proclamation recognizing National Airborne Day
- 3. Hall of Fame third baseman
- 4. Blind _____ and Services of Maryland
- 5. The MV Cape?
- 7. Former NASA astronaut Charles D.?
- 8. Army researcher Randal J. _____
- 10. Global Threats Solutions _____

- 11. Name of river along which St. Michaels is located
- 15. APG _____, Wildlife and Environmental Law Enforcement Division
- 16. Star of "Clara's Heart"
- 17. Fighting this virus is more cultural than medical
- 18. Nation that relinquished declared chemical weapons stockpile
- 19. Commanding officer at Sandy Hook from 1915-1918
- 21. Van Bibber _____ Treatment Plant
- 25. Fort where Heidi Smith previously served
- 26. Medal of Honor recipient
- 27. "Inside The ____" is produced by ARL
- 29. APG Bombers hurler Gene?
- 34. Parachutist Badge or "Jump _____"

Solution to the August 7 puzzle





ATEC chaplain promoted

(From right) Maj. Gen. Peter D. Utley, commander of the U.S. Army Test and Evaluation Command, pins the rank of colonel on ATEC Chaplain (Col.) Mark A. Penfold, as Penfold's wife, Robin Penfold, assists during his promotion ceremony at the ATEC headquarters building Aug. 1

U.S. Army photo by Andricka Thomas

Unexploded ordnance: Don't touch it, report it

By **WALTER T. HAMM IV**
20th CBRNE Command

The 20th CBRNE Command's senior enlisted leader has seen it all: an unpinned hand grenade in a garage, practice bombs in a basement and an armed landmine on a mantle.

Command Sgt. Maj. Harold E. Dunn IV from 20th CBRNE Command (Chemical, Biological, Radiological, Nuclear, Explosives) said unexploded ordnance (UXO) is not only found on military proving grounds, training ranges and battlefields but also in residential, commercial and recreational areas.

Dunn said UXO can be found just about anywhere.

"You name it," Dunn said. "Mantles in homes, basements, scrap yards, trash cans, dumps, offices, garages and on desks."

In one case, residents gathered UXO rounds from an Army training range and sold them to scrap metal businesses. Army Explosive Ordnance Disposal (EOD) technicians spent days finding and disposing of the rounds, recovering enough to fill three large bins. Among the recovered explosives were M918 practice rounds, 40mm target practice rounds, two Mk 27 fuses, a mortar tail



Courtesy photo

U.S. Army Explosive Ordnance Disposal technicians from the 20th CBRNE Command respond to dozens of unexploded ordnance calls a month, both on and off post.

section and an M430 high-explosive, dual-purpose round.

In other cases, people are simply searching for souvenirs like the visitor to the proving ground who ending up bringing home a chemical round.

A seasoned U.S. Army EOD technician, Dunn has responded to more

than 400 EOD incidents, but he clearly remembers his first mission.

"I remember walking out on a grenade range for the first time with 100 or so troopers hunkered down in the bunker," Dunn said. "I was a young staff sergeant and remember thinking 'this is something else.'

"I verified details with the range [noncommissioned officer-in-charge] and then walked into the pit," Dunn said. "Remembering my training, I grabbed the grenade with my hand and taped it. That was a great feeling."

Dunn also recalls his first encounter with a remote control improvised explosive device (IED) in Iraq.

"It saw a SA-2 warhead in a culvert," Dunn said. "I ended up falling about four feet in a sewer, looked to the left and saw the wires running from the warhead to a remote control device. I tied them off with a rope and ran as fast as I could."

After decades of defusing dangerous explosive devices, Dunn's advice on unexploded ordnance is straightforward.

"Stay away and notify your local authorities and/or your chain of command."

Serving on 19 military posts in 16 states, Soldiers and civilians from the Aberdeen Proving Ground, Maryland-based 20th CBRNE Command counter Weapons of Mass Destruction, eliminate CBRNE threats and defeat IEDs. The 20th CBRNE Command trains and operates with allied, interagency and joint partners around the world.

ATEC commander hosts IronBirds event

By **ANDRICKA THOMAS**
ATEC

The U.S. Army Test and Evaluation Command's Commanding General, Maj. Gen. Peter D. Utley, hosted an 'ATEC/Army Evaluation Command Night at the IronBirds' event in July at Ripken Stadium in Aberdeen, Maryland.

Personnel from ATEC Headquarters and AEC enjoyed a night of baseball complete with a wide selection of delicious food, great team play by the IronBirds, and a spectacular fireworks display after the game. For some of the workforce, this was their first time attending an IronBirds game, while others were season ticket holders.

The Aberdeen IronBirds, a minor league short-season Single-A affiliate of the Baltimore Orioles, is owned by National Baseball Hall of Famer and Aberdeen native, Cal Ripken, Jr. Ripken played 21 seasons for the Baltimore Orioles from 1981 until 2001, when his number "8" was officially retired.

"I felt this would be a good opportunity to get folks from ATEC Headquarters and AEC together in some sort of social activity," Utley said. "We normally see each other at work where we're usually always busy. Baseball games are a good venue and this was a great opportunity to get our folks out of the office."

Initially, only 50 seats were reserved for the event, said Sharon King, staff action control officer for the ATEC Command Group and the IronBirds event coordinator. However, the response was so enthusiastic, approximately 95 personnel across ATEC and AEC attended.

Utley decided to host the event after discussing possible ways to build teamwork and camaraderie for the ATEC and AEC workforce with ATEC's Chief of Staff, Karen Taylor. It was agreed that this was a perfect opportunity to do so, as well as a wonderful opportunity for ATEC to show pride in the local Harford County community.

The IronBirds played a home game against the Batavia Muckdogs, a short-season Single-A affiliate of the Miami Marlins. Utley and three others threw ceremonial first pitches. ATEC and AEC personnel were excited to see their commander throw one of the first pitches, and they were elated when the IronBirds were victorious over the Muckdogs, 9-4.

Several attendees expressed their opinion that Utley threw like a pro and felt he was instrumental in the IronBirds' decisive win over the Muckdogs.

However, Utley was dubious about his pitch having much, if any, effect on the IronBirds' win.

"There were three other people out there," said Utley. "The first gentleman who threw a pitch was good and two little boys were out there and they did well too. It was probably all four of us coming together to bring us some luck."

ATEC and AEC employees were proud to be represented by Utley, and equally glad to see what a great pitcher he was.

"After seeing some of the celebrities who have completely bombed in their first pitch attempts, I think everyone was a little nervous with someone we knew up there," said Capt. Robert McCormick, commander of ATEC's Headquarters and Headquarters Company. "But Maj. Gen. Utley threw a great pitch!"

Both first-timers and diehard IronBirds fans expressed their satisfaction with the event and hopes that ATEC will host another IronBirds event in the near future. Most felt events such as this help to build esprit de corps, serve as great team builders, and bring ATEC and AEC personnel together to have a great time in an off-duty setting.

"It is a great public relations opportunity in the local community," McCormick said. "It's also a great night out for ATEC Soldiers and civilians."

Victoria Dixon, director of ATEC's equal employment opportunity office,



Photo by Bob Rinker

Maj. Gen. Peter D. Utley, commanding general of the U.S. Army Test and Evaluation Command at Aberdeen Proving Ground, prepares to throw a ceremonial first pitch during a recent IronBirds game at Ripken Stadium in Aberdeen, Maryland.

agreed.

"Even though this was my first time attending an IronBirds game, it was hard not to notice what a great family-friendly outing and morale booster this was for the ATEC and AEC workforce," Dixon said. "The IronBirds' team players, along with the Ripken Stadium staff, are very community oriented and work to engage and feature activities for all age groups to participate in and enjoy."

The IronBirds event wasn't just a morale booster for ATEC however; Cal Ripken Jr. and the IronBirds are a part of APG's history. The team's former logo featured an airplane marked with Ripken's number '8.' The logo represented the nearby Army installation and the team's proud roots in Aberdeen. Utley said he was proud to be able to represent the Army, ATEC, and APG at the IronBirds' game.

"I think anytime we can get out and show our support for a hometown team in our community, it's a good thing," Utley said. "I wore my uniform to represent the Army and our command. I think it's important for our great citizens to know our Army is always prepared to support and defend our nation and our constitution. An opportunity like this is well worth the time."

ATEC plans, integrates and conducts experiments, developmental testing, independent operational testing, independent evaluations and assessments to provide essential information to acquisition decision makers and commanders. ATEC ensures our Soldiers' equipment is safe, suitable, works with existing Army systems, and that it will survive and perform in the harshest of climates. To learn more, visit www.atec.army.mil.

Soldiers delight in military appreciation night

Continued from Page 1

Maryland National Guard, Soldiers from APG tenant organizations and even children of some of the Soldiers," said 1st Sgt. Daniel Nelson, of APG's HHC Garrison. "We tried to include everyone."

Pfc. Stacy Dobson of the APG Garrison sang the national anthem as the Soldiers held the flag and Dobson and the Soldiers received a rousing ovation from the audience.

Prior to the anthem, Garrison Command Sgt. Maj. Jeffrey Adams marched up to the pitcher's mound, looked IronBirds pitcher Stephen Tarpley - who was catching at home plate - in the eye and threw out the first pitch.

APG's military might also was on display in the form of a tactical vehicle in front of Ripken Stadium courtesy of the 20th CBRNE Command and the 203rd Military Intelligence Battalion.

Inside the stadium Sgt. Channing Walton and other 203rd MI Soldiers hosted a display of Army small arms fire power and James Rouse, JPEO CBD program manager and exhibits coordinator, showed visitors models of the Stryker chemical detection vehicle, mobile Analytical Lab System and Unified Command Suite vehicles used in chemical detection and analysis. In addition, Army Community Service representatives Marilyn Howard, Nancy Goucher and Sandra Ackerman and the Army Substance Abuse Program's Cindy Scott displayed their organizations' missions and services.

While APG leaders such as Maj. Gen. Peter Utley, commander of the U.S. Army Test and Evaluation Command, and Garrison Commander Col. Gregory McClinton, were in attendance, they stepped back to let their Soldiers and guests - a group of Gold Star Mothers and five Wounded Warriors - experience the festivities.

In between innings Soldiers participated in fun challenges with two receiving a complimentary dinner after



U.S. Army photo by Molly Blossie

(From left) Pvt. Andre Scott of the 203rd Military Intelligence Battalion and an IronBirds fan chat about Army weaponry at the organization display during Military Appreciation Night at Ripken Stadium Aug. 7.

winning the Best Seat in the House challenge and others receiving upgraded seating.

"Aberdeen Proving Ground is just a blessing to us," said Janice Chance, 2nd vice president and chaplain of the Maryland Chapter of American Gold Star Mothers, Inc. "They invite us to every event and never miss a chance to remind us that we are part of the APG Family. It's a joy for us to see them appreciated by this community."

Back to school giveaway

Continued from Page 1

tion of Route 715 and Old Philadelphia Road, near Walmart.

Operation Homefront will distribute school supplies to eligible recipients who include the children of active duty, deployed or wounded service members in the ranks of E-1 to E-6. This includes active, Reserve and National Guard members of the Army, Navy, Marines, Air Force and Coast Guard.

Martha "Marti" King of the 20th CBRNE Command Family Readiness Group has volunteered to pick up supplies for those who register but are not able to attend the event.

"If for some reason they cannot attend, just have them email me and I'll pick it up for them," she said, adding that there are plenty of giveaways due to fewer registrations than last year.

King added that E-7s with a need should contact her as well.

"There's lots of extras so please let me hear from you," she said.

To register, or for more information, go to www.operationhomefront.net and click on "Upcoming Events." Users must create a profile to register. Identification of all children will be required the day of the event.

For more information, contact King at 443-949-6665; 410-436-0308, or email martha.r.king4.civ@mail.mil.



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www.facebook.com/APGMd

Follow us on twitter
<https://twitter.com/USAGAPG>

Check us out on flickr
<http://www.flickr.com/photos/usagapg/>

APG service honors memory of former leader

Continued from Page 1

ater. The speakers – senior officials from the Army Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) community in which Greene was a key leader – offered condolences and thanks to Greene’s Family, while painting a vivid picture of his confidence, compassion and camaraderie.

“Harry was truly one of a kind,” said Gary Martin, deputy to the commanding general, U.S. Army Communications-Electronics Command, whose voice broke as he described first meeting Greene at Fort Monmouth, New Jersey.

“Harry was more than just a bright guy – he was also an extremely effective leader and officer,” Martin said. “He made it easy for people to like and want to work for him.”

A technical whiz with a gregarious personality, the leaders said Greene was equally at home in a conference room full of engineers, at a system test site with Soldiers or on the sidelines of a little league baseball game. His enthusiasm for tackling complex problems on behalf of Soldiers, regardless of the technical or process challenges involved, spilled over to the C4ISR workforce, who reciprocated with fierce loyalty to him and their shared mission.

“He inspired so many to do so much – even those of us who at times were not the easiest to lead,” said John Wilison, director of Command, Power & Integration, U. S. Army Communications-Electronics Research, Development and Engineering Center. “He was brilliant, while not arrogant. He could digest the most complex prob-



U.S. Army photo by Kristen Rankin

An usher holds programs for guests attending the memorial service for Maj. Gen. Harold J. Greene at the APG post theater Aug. 11.

lems while speaking the simple truths.”

With Greene’s sharp focus came a playful twinkle in his eye. When he was splitting his time between the U.S. Army Research, Development and Engineering Command (RDECOM) at APG and the Natick Soldier Systems Center in Natick, Massachusetts, from 2009-2011,

the RDECOM staff poked fun at him by creating several full-size cardboard replicas of Greene, which would surface regularly at staff meetings, in hallways and behind desks. On a tour of a factory while serving as Program Executive Officer for Intelligence, Electronic Warfare and Sensors (PEO IEW&S), the

Boston-born and diehard Red Sox fan, Greene, stopped to tease a technician wearing a New York Yankees cap – “and even turned it inside out,” said Stephen Kreider, the current PEO.

More recently, during his final assignment as the deputy commanding general of the Combined Security Transition Command-Afghanistan, Greene rose at 3 a.m. to attend, via Skype, a ceremony recognizing the career contributions of a longtime colleague at APG.

“He wanted to do this so he could personally recognize the individual and to thank him for his years of service to the Army,” Martin said. “That’s how Harry was, and what he meant to people.”

The eulogies were followed by a scripture reading, firing of rounds and the playing of “Taps” in Greene’s honor. Mourners then filed past the fallen comrade display, leaving mementos, touching the combat boots or simply saluting in silence.

Greene, who served in the Army for 34 years and held five advanced degrees, will be buried at Arlington National Cemetery Thursday, Aug. 14, after a memorial service at the Ft. Myer Memorial Chapel in Arlington, Virginia. In lieu of flowers, his family asks that donations be made to a favorite scouting, youth sports or education program. Donations also can be made to the Fisher House, USO, Wounded Warrior Project, or TAPS in memory of Maj. Gen. Harold J. Greene.

“Major General Greene is a true American hero who was responsible for the safe return of many from war, due to his dedication to mission and his commitment to excellence,” Kreider said. “His legacy is the character, integrity and passion for life he displayed in everything he did.”

CBRNE showcase highlights WMD elimination

Continued from Page 1

Materials Unit. About 120 people manned the showcase’s estimated 45 booths.

Participating organizations included the Joint Program Executive Office for Chemical and Biological Defense; the U.S. Army Edgewood Chemical Biological Center

(ECBC); the U.S. Army Chemical Materials Activity; the 20th CBRNE Command; the U.S. Army Medical Research Institute of Chemical Defense; the U.S. Army Public Health Command; the Defense Threat Reduction Agency, and the Department of Homeland Security-Chemical Security Analysis Center.

The showcase included offsite tours of the Field Deployable Hydrolysis System (FDHS), the technology currently being utilized on the U.S. container ship MV Cape Ray in the Mediterranean Sea to neutralize Syria’s declared chemical weapons stockpile in accordance with the United Nations.

ACL ribbon-cutting

Prior to the Aug. 5 showcase, a dedication and ribbon-cutting ceremony was held for the new Dr. Edward J. Poziomek Advanced Chemistry Laboratory (ACL). Among the local, state and federal leaders at the ceremony was Maryland Sen. Barbara A. Mikulski.

The ACL is designed to safely process the world’s most toxic compounds. It will enable ECBC scientists to conduct premier chemical research to protect the nation’s Warfighters.

At the showcase, the four primary areas focused on were Protection, Detection, Decontamination and Elimination of Weapons of Mass Destruction (WMD) threats.

Latest technologies

Booths featuring representatives, materials and information included the Joint U.S. Forces Korea Portal and Integrated Threat Recognition, which provides new and novel bio-surveillance capabilities on the Korean peninsula; DeconGel, a jelly-like material that cleans, traps and encapsulates surfaces contaminated by toxic chemicals and radioactive materials; and the Rapid Area Sensitive-site Reconnaissance, a remote robotic vehicle capable of detecting and identifying multiple liquid and solid chemicals of concern.

“We just want to present to the community and get our results out there,” said Matt S. Brown, an ECBC systems engineer with the Advanced Technology Demonstration branch who was manning the RASR booth. “We want to get the data and feedback out there, as well as further mature the technology. It’s for the workforce and everybody here, to give answers about what ECBC does and engage the user community.”

Other display booths included the 20th CBRNE Response Team (Field Analytics); the Tactical Biological Detector; M50 Mask/Gloves; the Analytical Laboratory System; Hazardous Mitigation Material & Equipment Restoration; the Nuclear Disablement Team; and the Mobile Com-

mand Post.

In addition, medical countermeasures and diagnostics to protect against CBRNE threats were on display, as well as personal and collective protection equipment for handling the world’s most hazardous materials.

FDHS

Showcase attendees were transported by bus to a site where structured tours of the FDHS and its complete footprint were conducted.

ECBC Operations Business Manager Tom Rosso led visitors on a comprehensive tour, from the decontamination tent, through the complex operations and machinery of the FDHS, to the water filtration, molecular compression, storage and inspection processes.

“Our hope is 60 to 90 days for the total destruction of chemicals,” he said of the Cape Ray mission.

Rosso recalled that the ECBC team was given its mission to develop a plan in February 2013 and required to be finished by July 1.

“Things we never even thought of came to life in this process,” he said, “but a lot of the testing had already been done [at APG].”

He said the decontamination rinsing and removal of the Cape Ray equipment will take place in Finland, while the ship’s mustard agents will be dropped off and disposed of in Germany.

Back at the showcase, ECBC chemical engineer Adam Baker, who worked on the FDHS project and spent nine weeks in Spain on the Cape Ray, spoke to visitors about the technology and experience.

“If you had to do this from scratch, it would’ve been impossible in six months,” he said. “But our team had a lot of experience in destroying DF [methylphosphonyl difluoride, a chemical weapon precursor] and mustard agents, and we had a facility here at Edgewood that destroyed 17,000 tons of mustard. So there was a lot of knowledge here that was used and we had two surplus reactors that are now on the Cape Ray. Having it all ready to go made it possible.”

“It was exciting to be involved in something so monumental and to be there from the start,” Baker said. “This is something happening right now and it’s not hypothetical, so it’s easy to convey how exciting this is.”

DID YOU KNOW?

Aug. 16 is National Airborne Day?

Airborne!

President George W. Bush signed the first proclamation recognizing National Airborne Day in 2001 and the U.S. Senate recognized National Airborne Day with Senate Resolution 235 in 2009.

While Airborne-qualified Soldiers are spread out in units around the Army, leading National Airborne Day celebrations are held at the Fort Bragg, N.C., home of the 82nd Airborne Division and XVIII Airborne Corp and at Fort Campbell, Kentucky, 10th Airborne Division (Air Assault) headquarters.

The day salutes the 48 volunteer members of the U.S. Army Parachute Test Platoon, who with one jump on Aug. 16, 1940, ushered in a new method of warfare. According to the proclamation signed by Bush, “their successful jump led to a mighty force of more than 100,000 paratroopers. Members were assigned to the legendary 11th, 13th, 17th, 82nd and 101st Airborne Divisions and in other units that fought in every theater during World War II.”

In November 1942, members of the 2nd Battalion, 509th Parachute Infantry Regiment, the first combat paratrooper unit formed during World War II, conducted America’s first combat jump, leaping from a C-47 aircraft behind enemy lines in North Africa. This strategy revolutionized combat and established airborne forces as a key component of our military.

Airborne tactics became critical during the Normandy invasion, the Battle of the Bulge and in Korea and Vietnam in and later conflicts and peacekeeping operations including Panama, Grenada, Desert Storm, Haiti, Somalia and the Balkans.

Over the decades, airborne and Special Forces units distinguished themselves in the sky as well as on the ground to the point where they are counted on heavily when little or no jumping is required as in the War on Terror in Iraq and Afghanistan.

Notable past and present wearers of the prestigious Parachutist Badge or “Jump Wings”:

- Gen. David M. Rodriguez, commander, U.S. Africa Command, former FORSCOM commander
- Lt. Gen. Michael T. Flynn, Director, Defense Intelligence Agency
- Gen. Thomas R. Turner II, commander, U.S. Army North, Fort Sam Houston, Texas
- Army Lt. Col. Charles D. Gemar, former NASA astronaut
- Retired Lt. Gen. James Peake, former Army Surgeon General, former Secretary of Veterans Affairs
- Retired Maj. Gen. John D. Altenburg, former Deputy Judge Advocate General of the Army
- Retired Brig. Gen. Michael C. Flowers, former commander of Joint POW/MIA Accounting Command
- Retired Command Sgt. Maj. Teresa King, first female commandant of U.S. Army Drill Sergeant School
- Michael Tomczyk, former Army captain, computer entrepreneur, managing director, The Wharton School

Learn more about National Airborne Day at the 82nd Airborne Division history page at <http://www.bragg.army.mil/82nd/Pages/History.aspx>; or at the Military History of the United States Facebook site at <https://www.facebook.com/fortbraggnc#!/pages/Military-history-of-the-United-States/115179331828397/>;

Yvonne Johnson, APG News



Dr. Peter Emanuel, BioSciences Division Chief at Edgewood Chemical Biological Center, speaks to visitors at the Global Threats Solutions Showcase about the Joint U.S. Forces Korea Portal and Integrated Threat Recognition, which provides new and novel bio-surveillance capabilities on the Korean peninsula. U.S. Army photo by Alan Feiler

APG SNAPSHOT

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



Photo by Yvonne Johnson

ABERDEEN IRONBIRDS SALUTE AMERICAN WARRIORS

APG's finest were on display during the Aberdeen IronBirds Military Appreciation Night festivities at Ripken Stadium Aug. 7. (Clockwise from right) APG Garrison Command Sgt. Maj. Jeffrey Adams winds up to toss out the first pitch; Children accompany service members returning from center field with a giant flag after the national anthem; IronBirds fans listen to a description of Stryker chemical detection vehicle capabilities by JPEO CBD Exhibits Coordinator James Rouse; 203rd Military Intelligence Battalion Soldiers, led by Sgt. Channing Walton, second from right, display Army small arms firepower; Command Sgt. Maj. Jeffrey Adams stands near a giant helmet display provided by the Garrison's Visual Information Services Division; and Service members from multiple units hold up a giant flag in center field during the national anthem.



Photo by Bobby Parker



Photo by Molly Blossie



Photo by Yvonne Johnson



Photo by Bobby Parker

RIPKEN WORLD SERIES KICKS OFF

(Right) Colorfully clad members of Team Mexico pose with APG Garrison Commander Col. Gregory McClinton, fourth from left, his wife Vicky, third from left, and Garrison Command Sgt. Maj. Jeffrey Adams, far right, at Festival Park in Aberdeen after the Cal Ripken World Series Parade; (Bottom left) the Installation Color Guard, led by Sgt. 1st Class Rickie Allen, follows APG Garrison Commander Col. Gregory McClinton, his wife Vicky and Garrison Command Sgt. Maj. Jeffrey Adams down W. Bel Air Avenue during the Cal Ripken World Series Parade in Aberdeen Aug. 9; (Bottom right) Ladder Truck T1231 from the APG Fire and Emergency Services division leads the parade's emergency response vehicles.

Photos by Yvonne Johnson

