



APG NEWS

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

www.TeamAPG.com

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SECURITY

APG's senior commander kicks off Cybersecurity Awareness Month with a reminder of the Army's shared responsibility.

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newsbrief

NEW MARYLAND TRAFFIC LAWS TAKE EFFECT OCT. 1

Maryland Department of Transportation

A number of motor vehicle laws passed by the Maryland General Assembly will take effect Oct. 1, including the Drunk Driving Reduction Act of 2016, known as Noah's Law.

The act is named in honor of the late Montgomery County Police Officer Noah Leotta. He was struck by a drunk driver while pulling over another suspected drunk driver in December 2015.

The new law carries with it the mandated use of an ignition interlock for anyone convicted of drunk driving. The law will also significantly increase driver's license suspension periods for those convicted of drunk driving.

Also going into effect is a law requiring all drivers to possess or carry in their automobile a current insurance ID card; the card can be tangible (paper, plastic, etc.) or in an electronic format. Delayed implementation of the law's associated fine of \$50 will begin July 1, 2017.

For a complete list of motor vehicle laws taking effect in 2016, visit www.mva.maryland.gov/about-mva/legislation/2016.htm.

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U.S. Army photo by Rachel Ponder, APG News
Josh Short, a wounded warrior currently recovering at the Walter Reed National Military Medical Center, fires at a clay target during a morale-boosting event for wounded warriors at the APG South (Edgewood) skeet and trap range, Sept. 21, 2016.

Wounded warriors take aim

Volunteers coordinate skeet shoot to boost morale for Walter Reed patients

By **RACHEL PONDER**
APG News

ABERDEEN PROVING GROUND, Md. – Peals of laughter rose above the intermittent crack of gunfire on the skeet and trap range on APG South (Edgewood), Sept. 21, as five wounded warriors and their coaches challenged and cheered each other on during the morale-building event.

Thirty-five volunteers, with support from APG Morale, Welfare and Recreation, or MWR, hosted the four-hour skeet shoot. The veterans, who are currently recovering at Walter Reed National Military Medical Center, were paired with volunteer coaches who are National Rifle Association, or NRA, certified fire arms instructors, and range safety officers.

After a safety briefing, the veterans practiced their marksmanship, with 20 gauge shotguns firing at steel targets. The coaches provided a few tips and then the warriors were ready to try skeet shooting, which involves firing at clay targets that are mechanically launched from low and high points from the shooters' left and right.

Although no formal score was kept, the participants and their coaches enjoyed the friendly competition. During lunch, APG Garrison Command Sgt.

See **SKEET**, page A7

Event embraces Hispanic culture

By **LAUREN FINNEGAN**
APG News

ABERDEEN PROVING GROUND, Md. – Twirling skirts, beautiful music, captivating foods and more were displayed for attendees to the National Hispanic Heritage Month celebration at the APG South (Edgewood) recreation center, Sept. 22. The 20th CBRNE Command, led by Brig. Gen. William King IV, hosted the event which featured keynote speaker, Integrated Logistics Support Center Interim Director Liz Miranda.

After a moving rendition of the national anthem by Rachel Acevedo, of the U.S. Army Research, Development and Engineering Command, King spoke about the importance of all Americans, not only

See **HISPANIC**, page A7



U.S. Army photo by Lauren Finnegan, APG News
The Divine Dance group performs the Plena, a traditional dance from Puerto Rico during the Hispanic Heritage Month Celebration at the APG South (Edgewood) recreation center, Sept. 22, 2016. The celebration featured keynote speaker, Liz Miranda, interim director of the CECOM Logistics and Readiness Center, as well as traditional Hispanic foods and cultural artifacts.



Namaste, APG

Arthur Asaki, with the U.S. Army Public Health Center (Provisional), holds a gate pose during "Yoga on the Water" at CAPA Field on APG South (Edgewood) Sept. 21, 2016.

Yoga instructor Jennifer Gerace led the hour-long session. The event included door prizes, giveaways, refreshments and information about pollution prevention, recycling and commuting options.

"It's great to get out of the office and spend some time outside by the water," said Tami Williams, with the U.S. Army Communications-Electronics Command. "It's beautiful out here."

U.S. Army photo by Rachel Ponder, APG News

STREET TALK

What's your favorite smartphone app?

My NOOK [reading] app, from Barnes and Noble, for downloading books on my phone or tablet. I am addicted to reading, so I want to read whenever there is a spare moment.



Laila Thompson
U.S. Air Force retiree

My Fitness Pal, because it helps me keep track of how many calories I am eating per day. I also use the Facebook app to keep up with family and friends.



Kim Stevenson
U.S. Army retiree

The maps app is my favorite, it keeps me from getting lost. I also play Candy Crush Saga on my phone, whenever I need to pass some time.



James Maxwell
Contractor

I use Spotify, a free music app. I use it at the gym for motivation. I also use WhatsApp, which allows me to text and call my cousin who lives in Europe, for free.



Sgt. Aly Dlasse
Maryland Army National Guard

I check the weather app every day to make sure my kids and I am appropriately dressed for the weather.



Irina Arevalo
RDECOM

Commander's Corner

Cyber Security Readiness

Know Your Craft, Do Your Part!

The global threats to critical infrastructure, vital capabilities and personally identifiable information, or PII, are evolving at the speed of innovation. Although our competitive advantage continues to be our ability to leverage technology to, in the words of our Senior Army leadership, "out innovate our adversaries," our increased reliance on technology, for both personal and professional use, also comes with significant vulnerabilities and associated responsibilities.

The exponential growth of technology in our institutional processes and our weapon systems connects Army readiness to cybersecurity. Given the fact that the individual user continues to be among our greatest vulnerabilities, that security is everyone's responsibility.

Every October, we mark the observance of Army Cybersecurity Awareness Month. This annual campaign is designed to increase awareness of cybersecurity practices and training in order to improve our overall security posture.

This year's theme, "Cyber Secure: Mission Ready," emphasizes just how important cybersecurity is in protecting our Army family from threats that endanger our Soldiers and civilians, compromise information systems and threaten mission assurance. To that end, robust, creative and realistic training remains a cornerstone of the Army's Cybersecurity Campaign. I expect you to apply the necessary due diligence needed to "do your part" in accomplishing this mission and maintaining cyber security, thus enabling the readiness of our people and our systems.

An incredible 80 percent of all cybersecurity incidents are linked to poor user practices, poor network and data maintenance practices, and poor network architecture.

We, as a collective Army, must continue to educate, continue to review, and continue to update our cybersecurity training, "doing our part" to ensure the Army maintains the readiness to prevent, engage and defeat any threat we may face. Users at every level must be proficient and confident

Users at every level must be proficient and confident in cybersecurity knowledge, policies and procedures. Proper cybersecurity behaviors are vital to keeping intruders out and stopping them quickly should they gain access in.



in cybersecurity knowledge, policies and procedures. Proper cybersecurity behaviors are vital to keeping intruders out and stopping them quickly should they gain access in.

I know the trusted professionals that comprise Team APG, CECOM and the C4ISR community do tremendous work, each and every day, and for that I thank you. But I must urge you to allow no place for complacency to take root; a vulnerability accepted by one is a vulnerability accepted by all. Over the month, we will engage in a variety of messages and events designed to reinforce this important cybersecurity theme and add more knowledge into your protection toolbox. Take it, use it and apply it --- not just for this month but for all your online activity, at work or at home.

Thanks in advance for both your support and for all that you do each day in defense of this great Nation. Cyber Security is everyone's business: Know your Craft, do Your Part!

Trusted Professionals, Professionals Always - Army Strong!

MAJ. GEN. BRUCE T. CRAWFORD

APG Senior Commander
Commanding General, U.S. Army Communications-Electronics Command

Know the deadlines - request and return absentee ballots on time!

Installation Voting Assistance Office

This week, Sept. 26 through Oct. 3, is 2016 Absentee Voting Week. The Federal Voting Assistance Program, or FVAP, is placing emphasis on ensuring that Soldiers and eligible Family members have the opportunity to request and return absentee ballots before the deadline.

Soldiers and eligible Family members can request an Absentee Ballot by completing the Federal Post Card Application, called FPCA, Form and mailing it to their local Board of Election. The FVAP website, at www.fvap.gov, allows online registration. The FPCA will be used for voter registration and Absentee Ballot request. Deadlines for requesting and returning Absentee Ballots can found at www.fvap.gov.

Federal law mandates that Absentee ballots be mailed out 45 days before the election. Soldiers and eligible family members that do not receive their requested Absentee Ballot by Oct. 15 should contact the local Board of Elections Office in the state where they are registered to vote.

For more information or assistance with absentee voting, contact APG Installation Voting Assistance Officer Larry Tyson, at 410-306-2302 or larry.c.tyson3.civ@mail.mil. The IVAO Officer hours are 8 a.m. to 4 p.m., Monday through Thursday.

See Something

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

Provided by the INTEL DIV/DPTMS

Say Something

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DO OBSERVE & REPORT

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



INSTALLATION WATCH CARD

DON'T

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

Report suspicious activity immediately to APG Police!

APG (North & South): 410.306.2222
Off Post in Maryland call 1-800-492-TIPS or 911



Card created by APG Intel



APG NEWS

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305, IMAP-PA, APG, MD 21005-5001; contact the Editor Amanda Rominiacki at amanda.r.rominiacki.civ@mail.mil, contact Assistant Editor Yvonne Johnson, 410-278-1148 or email yvonne.johnson5.ctr@mail.mil.

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

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Bike for Breast Cancer set for Oct. 5

By **YVONNE JOHNSON**
APG News

ABERDEEN PROVING GROUND, Md. – It is the most common cancer in women regardless of race or ethnicity and the most commonly diagnosed cancer among female Marylanders. In 2013, breast cancer killed 40,860 women and 464 men in the United States, alone.

Statistics such as these continue to spur worldwide efforts to increase awareness of the disease, especially during Breast Cancer Awareness Month in October.

The annual effort returns to APG in the form of the Bike for Breast Cancer bicycle ride. Set for Wednesday, Oct. 5, the event includes an 11.5 mile group ride around the installation. The ride kicks off at the parking pad east – or to the right of – Bldg. 2202 on Aberdeen Boulevard. Starting at 11 a.m., participants can take in displays from post organizations like Kirk U.S. Army Health Clinic, and local vendors such as the Harford County Health Department; Medstar Cancer Center and the Johns Hopkins Breast Center. In addition, breast cancer survivors Erika M. Akers from Medstar and ATEC civilian Sharon King will share their stories with attendees before the ride.

All members of the community – active duty service members, government civilians and contractors, family members and community residents from outside the gate – are welcome to participate, according to Gale Sauer, a wellness coordinator and event organizer with the U.S. Army Test and Evaluation Command, known as ATEC.

Sauer said the event is not a fundraiser, but an opportunity to raise awareness while sharing in the state goals through 2020 as outlined in the Maryland Comprehensive Cancer Control Report.



“By simply holding an event we’re providing education and offering support to the survivor community,” she said.

She added that the No. 1 goal of the Maryland plan is the promotion of physical activity.

“When people ask how a bike ride ties in with breast cancer awareness, I tell them we raise awareness when we talk about risk factors and protective factors, by providing education and the opportunity to engage in physical activity, which is a known, protective factor.”

She noted that according to the National Breast Cancer Foundation, Inc., while most people are aware of breast cancer, too many forget to have a plan to detect the disease in its early stages or to encourage others to do the same. The educational and health-focused event should serve as a reminder, she said.

“The ride starts 11:30 a.m., sharp,” Sauer added.

Prior to the start, Michael Kauzlar-

ich, an Edgewood Chemical Biological Center civilian, will lead a group of riders on bicycles from APG South (Edgewood) to the starting point at APG North (Aberdeen). Kauzlarich said participation in such an event makes a health and fitness statement for participants.

“Our main motivation to attend the ride is to show our support for Breast Cancer Awareness, and all cancers in general,” he said. “Additionally, the ride is in keeping with the CBRNE ride group’s primary goal of supporting exercise and healthy life styles for the Army’s civilian workforce.”

Personal survivor stories will round out the morning activities before the ride starts. One of two scheduled speakers, Erica Akers, said she hopes to empower patients and uplift survivors. An oncology nursing administrator with Medstar, Akers was diagnosed with the disease at age 35, five years sooner than the suggested age for the start of breast cancer

screenings by mammogram, and with no family history of the disease.

“As a breast cancer survivor, I have a unique perspective,” she said. “I definitely bring a different perspective to my daily practice [and] I am a firm believer in empowering patients to become advocates for themselves by fully understanding their disease, diagnosis and the impact it will have on their lives.”

Safety Requirement

Army regulations require that bicycle riders wear reflective jerseys or belts and bicycle safety helmets while riding on the installation. Additionally, earbuds are prohibited while riding or walking on the installation. Police officers from the Directorate of Emergency Service will escort the riders and provide traffic control.

For more information about Bike for Breast Cancer, contact Sauer at 443-861-9260 or email gale.m.sauer.ctr@mail.mil.

5 ways to reuse your copy of the APG News

1. Protect fragile items before storing them or sending them in the mail.
2. Line pet cages or litter boxes to keep them tidy.
3. Save the counter from a gluey, glittery mess during your next craft project.
4. Clean glass or windows for a streak-free shine.
5. Make a weed barrier in a flower bed or garden before laying new topsoil.



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 Sue Campbell at 410-306-0266 or sue.a.campbell8.civ@mail.mil

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Breakfast honors Gold Star mothers, families

By **YVONNE JOHNSON**
APG News

ABERDEEN PROVING GROUND, Md. – Installation efforts to enfold Survivors of the Fallen into the APG family continued in the form of the Gold Star Mother’s Recognition program at the post chapel Sept. 25. Post leaders in dress blue uniforms welcomed Gold Star mothers and families to the morning program that featured remarks from hosts and guests and was followed by a breakfast prepared and served in the Fellowship Hall by the Protestant Men of the Chapel.

Attendees included APG Senior Leader Maj. Gen. Bruce T. Crawford, his wife, Dianne, and CECOM Chaplain Col. Peter Mueller; Garrison Commander Col. James E. Davis; and Garrison Command Sgt. Maj. Toese Tia Jr.

Mike Farlow, Army Community Service SOS coordinator, said he was honored to work with Survivors, who he called, “amazing,” and thanked post leaders “from top to bottom” for supporting the event and the SOS program.

“Our survivors know they are loved and that they are still a part of the military because of you,” Farlow said.

“I can think of no greater example of what this nation stands for than our Gold Star families,” Crawford said, during his remarks. He commended the mothers and families for their perseverance and for “making a conscious effort to carry on,” and promised continued membership in the APG family.

“We get much more from you than you get from us,” he said.

Maryland Gold Star Mothers president Janice Chance credited Farlow and Voncile Farmer of the Fort George G. Meade SOS office for their support of mothers and families throughout the region.

“They have embraced us with caring service and they really make things happen,” she said.

She thanked the community for “remembering our children and their sacrifices” and not allowing them to be forgotten.

“You remember there are families connected to these fallen heroes,” she said. “Thank you for all the love, support and prayers and thank you for embracing us.”

Chance is the mother of U.S. Marine Corps Capt. Jesse Melton III who was killed in action in Parwan Province, Afghanistan in 2008.

Garrison Chaplain Lt. Col. Arleigh von-Seggern closed the program with a prayer,



U.S. Army photo by Greg Mahall, Communications-Electronics Command
APG Senior Leader Maj. Gen. Bruce T. Crawford addresses the audience of Soldiers, Gold Star mothers, family members and volunteers during the Gold Star Mother’s Recognition breakfast at the post chapel Sept. 25, 2016.

encouraging all to remember the fallen and “reflect upon the sacrifices of our nation today.”

The program included patriotic music by Lee Ann Masters on piano and the reading of the Presidential Proclamation declaring Sept. 25, 2016 Gold Star Mother’s and Family’s Day.

Guests said they were humbled by the show of appreciation.

“Aberdeen has done so much for us already; I get teary-eyed at times like this, but it’s a good feeling and so nice to be appreciated,” said Rosemarie Ceo of Baltimore who lost her son, Army Cpl. Bernard L. Ceo in Iraq in 2005.

“This was really nice,” added Yvonne Green a Gold Star Mother who attended with her husband, Bill. The Greens’ daughter, Army Spc. Toccaro R. Green, was killed in action in Al Asad, Iraq in 2005.

Yvonne Green noted with Gold Star memorials slated to go up in Annapolis, Towson, and on APG, it’s been a busy year for the Maryland Gold Star Mothers. She said the group hopes to get involved with the Wreaths Across America program that enlists volunteer groups to place wreaths on the thousands on headstones within Arlington National Cemetery.

“We’ve been on a roll with so much stuff to do, it’s nice to sit back and know our efforts are appreciated,” she said.



U.S. Army photo by Yvonne Johnson, APG News
From right, Dianne Crawford can’t help but laugh as her husband, APG Senior Leader Maj. Gen. Bruce T. Crawford, center, compares videos with Yvonne Green of the Maryland Gold Star Mothers during the Gold Star Mother’s Recognition breakfast at the post chapel Sept. 25, 2016.

“Aberdeen is very good at making us feel like that.”

Survivor Outreach Services

Survivor Outreach Services (SOS) offers family members of the fallen access to support, information, and services, closest to where they live, for as long as it’s needed. SOS is part of the Army Casualty Continuum of Care. It’s designed to pro-

vide long-term support to surviving Families of Fallen Soldiers with the goal of reassuring Survivors that they remain valued members of the Army Family.

For more information, contact Mike Farlow, APG SOS coordinator at 410-278-2435 or michael.b.farlow.civ@mail.mil or visit <http://www.armymwr.com/family/survivor-outreach.aspx>.

ALL THINGS MARYLAND



Before Ravens purple pride How the Colts snuck out of Charm City

By **AMANDA ROMINIECKI**
APG News

The arrival of fall is marked for some by the start of school or the first chill in the air. For others, it's the not-so-subtle infiltration of the National Football League into every aspect of American culture — rivaled only by synthetic pumpkin spice flavoring.

Maryland is currently home to one NFL team, the Baltimore Ravens. The Ravens are a relatively new team, but based on their cultural impact across the state you'd think otherwise (especially for non-Maryland natives like myself). Amongst many other game-weekend traditions, Marylanders don purple gear every Friday during the football season — for the diehard fans, all year round. This dedication to the Ravens may in fact be hiding a wound so deep, formed back in the 80s, which few Marylanders willingly bring up today.

Baltimore Colts

Between 1953 and 1984, Maryland football fans cheered not for the Ravens but for the Colts. The now Indianapolis Colts were first the Baltimore Colts. The team name paid tribute to the history of horse breeding and racing in the state, including Maryland's Preakness Stakes — one of the three series in the U.S. Triple Crown.

It was under the Baltimore Colts name that Johnny Unitas earned his spot among football legends as "The Golden Arm." He would go on to lead the team to a win in the first overtime game in NFL history during the NFL Championship Game in 1958.



That game is now widely known as "the Greatest Game Ever Played, credited with setting the NFL on its trajectory into American cultural symbols among the likes of apple pie and freedom.

By the 1970s and early 80s, however, the Colts were on a downward spiral, setting records no team ever wants associated with the franchise — fewest sacks, fewest punt returns, failing to cross mid-field the entire game. Attendance at games dwindled.

Since taking ownership of the Baltimore Colts in 1972, then owner Robert Irsay was in talks with several cities about possibly moving the team. By 1980, he had shopped the team around to Phoenix, Arizona; Indianapolis, Indiana; Los Angeles, California; Memphis, Tennessee; and Jacksonville, Florida. He cited an antiquated stadium and poor relations with the City of Baltimore for his desire to move the team.

March, 1984

In 1984, the situation reached a fever pitch. Irsay had narrowed down his choices to Phoenix and Indianapolis, and Indiana was chomping at the bit, luring Irsay with the construction of the Hoosier Dome, later known as the RCA Dome.

Baltimore, however, was not keen on the idea of Irsay moving its team out of the state. The Maryland State Senate went so far as to pass legislation giving the City of Baltimore the right to seize ownership of the Colts via eminent domain, on March 27.

The very next day, March 28, set into motion an event that still burns in the memories of Baltimore fans to this day.

Irsay phoned the City of Indianapolis, which offered him a final lucrative offer for moving the Colts, between a loan, training complex and new stadium — which he accepted. After the deal was finalized, Irsay contacted his longtime friend John B. Smith, who just so happened to be the CEO of Mayflower Transit, the Indiana-based moving company. Irsay, in a ploy to avoid the eminent domain bill that was to be signed into law by the Maryland Governor on March 29, ordered 15 moving trucks



to the team's headquarters in Owings Mills.

In the dark, snowy evening hours of March 28, the Mayflower trucks were loaded with the Colts equipment and then driven to Indianapolis, each taking different overnight routes as to not draw attention. Within eight hours of the trucks arrival in Owings Mills, the Colts had snuck out of Baltimore without looking back.

The city was heartbroken. Not only did the state lose its only NFL team, but it also lost the meaningful Colts name. The seemingly only positive outcome of the Colts abandoning Baltimore was the city's concerted effort not to lose another professional sports team; they dumped money into the Major League Baseball team the Baltimore Orioles, resulting in the construction of Oriole Park at Camden Yards.

In a show of solidarity, many former Baltimore Colts players broke ties with

the Colts franchise after it left Charm City. Led by Unitas, the players remained loyal to Baltimore. Upon the Ravens' arrival in 1996, they welcomed the loyal Baltimore Colts players into their Ring of Honor.

As fate would have it, the creation of the Baltimore Ravens was not without its own controversy. In 1995, then Cleveland Browns owner Art Modell sought to move the Browns to Baltimore. A series of legal actions between the City of Cleveland, Browns ticket holders and Modell resulted in the Browns franchise — including its name, history, records and intellectual property — remaining in Cleveland. Modell moved the team and personnel to Baltimore, not as the relocated Cleveland Browns, but instead as an expansion team to be known as the Baltimore Ravens. The move would go on to influence several other professional sports team "expansions" to other cities.

Safety Academy hosts professional development course

By **LAUREN FINNEGAN**
APG News

ABERDEEN PROVING GROUND, Md. — The Aberdeen Safety Academy hosted an Executive Program in Safety Management presented by the American Society of Safety Engineers, or ASSE, at APG South (Edgewood) Sept. 12-23. The academy is a continual professional development program open to all employees within the Army Safety and Occupational Health Career Program (CP12).

Attendees were given five classes over the two-week period, with topics ranging from line management safety and health leadership to techniques for overcoming barriers to safety success.

The class was taught by Samuel J. Gualardo, the program director for the Pennsylvania Occupational Safety and Health Administration Consultation Program at Indiana University of Pennsylvania.

"I think [the Army] is well on their

way to taking the safety culture... to a world class level like it is in some of the other aspects of the military," Gualardo said.

Lonnie Burks, a safety and occupational health manager with the U.S. Army Chemical Materials Activity, or CMA, added that the class was "really teaching us how to engage management and make them realize that safety is their program."

"I really didn't expect this set of classes to be as positive," he continued. "They really have changed my way of thinking in the past two weeks and it's pretty amazing."

According to the ASSE website, after the conclusion of the course, stu-

dents can obtain a certificate in Safety Management after completing an online portion through ASSE. Only about 700 safety professionals around the country currently possess this certificate.

Sean O'Brien, the director of safety for the U.S. Army Communications-Engineering Research, Development and Engineering Center, or CERDEC, said that the Aberdeen Safety Academy has been in operation since 2014, and continually tries to bring new opportunities to APG for all of the Career Program 12 professionals. Since 2014, the Academy has brought approximately 20 training and education courses to

both APG employees and other Army civilians from the National Capital Region.

O'Brien continued, "[The Safety Academy] came about because principal safety directors were looking for things that we could do to better assist the community. It's a building block for the next generation."

Jacqueline Bartel, a safety and occupational health specialist, with the CERDEC Safety Center, said the training she's been able to attend has been valuable, and a great networking tool in her career field.

She added, "Just being here, where everybody has different experiences, brings a new light to what we can do."

For more information on the Aberdeen Safety Academy, contact Director of Safety for CERDEC, Sean O'Brien at sean.m.obrian.civ@mail.mil, or Safety and Occupational Health Specialist, Jade Makfinsky, at jade.l.makfinsky.civ@mail.mil.

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http://www.flickr.com/photos/usagapg/

Events put focus on reduce, reuse, recycle

By **LAUREN FINNEGAN**
APG News

ABERDEEN PROVING GROUND, Md. – In observance of National Pollution Prevention Week, the APG Directorate of Public Works, or DPW, environmental division hosted a Pollution Prevention Open House at the APG North (Aberdeen) recreation center Sept. 20.

Maya Kaiser, APG Pollution Prevention Program manager, said that the purpose of the event was to “promote awareness about... how we – as people – interact with the environment, with a special focus on recycling.”

The open house featured several displays focused on the environment; one station allowed guests to view first-hand the effects that pollution can have on animals.

Allie Bays, a naturalist with the Patapsco State Park Soldiers Delight Natural Environment Area brought four wild birds with her to illustrate how trash on roadways pose a danger to them.

Of the 17 non-releasable birds that Patapsco keeps in its aviary, 13 have been hit by cars and permanently injured, Bays said.

“As we’re traveling down the road, all the litter that gets pushed to the side attracts mice, which attracts birds. If you see Red Tailed Hawks on top of light posts [around the roadway] it’s actually a sign that we are doing a bad job taking home our trash.”

The birds on display included a red-tailed hawk, a turkey vulture, a screech owl, and a great horned owl that has a permanently dislocated wing from being hit by a car.

Rosanne Radiac, a civilian entomologist with the U.S. Army Public Health Center, or PHC, displayed termite and carpenter ant specimens to illustrate how insects are the original recyclers.

Both of these types of insects, when they aren’t feeding on homes, are great for the environment, Radiac said. When a tree falls in the forest, the bugs go to work breaking it down into soil where new life can take root.

She said people can break down yard and food waste themselves by composting and keeping food out of landfills.

Jessica Baylor, a DPW environmental protection specialist with, explained that when plant matter is placed in a landfill, it produces methane gas, a greenhouse gas that contributes to climate change. How-



U.S. Army photo by Lauren Finnegan, APG News
Amber Anderson, with the Directorate of Public Works Master Planning Division (right) studies the butterfly and beetle specimens displayed by Sgt. Stephanie Ragin, an entomologist with the U.S. Army Public Health Center, left, during the Pollution Prevention Open House at the APG North (Aberdeen) recreation center, Sept. 20, 2016.

ever, when that plant matter is composted, it not only improves the soil, it reduces the need for chemical fertilizers which harm the environment.

She added that composting is something that is easy and that everyone can do to help the environment.

The Harford County Department of Public Works display demonstrated how storm water that runs off impervious surfaces, such as roofs and driveways, pollutes the ecosystem.

Michele Dobson, a water quality monitoring specialist with Harford County, said that using rain barrels to collect water is a good practice. By doing this, citizens can help keep polluted water out of rivers and streams.

Scott English, an APG forester, said he thought it was important for people to see that the community needs to take steps to keep the environment clean.

“Recycling is the future,” he said. “If you don’t embrace reduce, reuse, recycle, we’re fighting a losing battle.”

DPW also hosted a Yoga on the Water session on APG South (Edgewood), Sept. 21 and a Race Against Waste 5K run/walk on APG North, Sept. 22, in observance of Pollution Prevention Week.



U.S. Army photo by Rachel Ponder, APG News
(From right) Becky Branco and Sue Singh, of Kirk U.S. Army Health Clinic, and Shariese Demby, with the APG SHARP Resource Center, lead walkers out for the second annual Race Against Waste 5K run/walk at the Top of the Bay Sept. 22, 2016. The event was hosted by the APG Directorate of Public Work’s Qualified Recycling Program and the Pollution Prevention Program.

Family Advocacy welcomes new program manager

By **YVONNE JOHNSON**
APG News

ABERDEEN PROVING GROUND, Md. – The new APG Family Advocacy Program manager at Army Community Service makes no bones about serving victims and survivors of domestic violence. Antoinetta “Toni” Saunders-Gauth has a passion for her vocation that she says grew stronger over 17 years in progressively challenging city, state and federal environments prior to coming to Aberdeen Proving Ground.

“I wouldn’t trade what I do for anything,” she said, “and I would go to bat for anyone, man, woman or child.”

Saunders-Gauth takes pride in having helped people “get out of seriously abusive relationships,” and she notes that looking beyond behavior is an important factor in intervention, which she says has evolved over the years to include the whole family.

“In many cases, it’s important to understand it’s more than just the abuse. There are underlying reasons to address,” she said. “From the prevention/education side, it’s my job to look at what we can possibly do to promote communication and help this family heal together.”

A native Marylander, born and raised

in East Baltimore, Saunders-Gauth holds a bachelor’s degree in Human Services from Baltimore County Community Colleges; a bachelor’s degree in Social Work from Morgan State University and a master’s in Social Work with a focus on families and childcare from the University of Maryland. She’s worked in various shelters in Baltimore City including the House of Ruth, the nonprofit organization that provides services for women and children who are victims of domestic violence.

Saunders-Gauth said that with Domestic Violence Awareness Month on the horizon, FAP is preparing for special events to highlight the awareness campaign. Bowling will return every Monday, except Columbus Day, Oct. 10, offering free bowling, shoes and food at the APG bowling center.

She said her door is always open and people who come to her can “expect to be heard.”

“When people come to you they are expecting a service. You have to go above and beyond to give them something they didn’t have – understanding; knowledge; resources – you have to give them that. I want them to know that this is a place that will provide them the resources they need, and that’s a promise,” she said.



Antoinetta “Toni” Saunders-Gauth

She noted that FAP is tasked to work closely with legal liaisons whom they “consult regularly for information and guidance.” The office also coordinates with Directorate of Emergency Services police officers who answer domestic violence-related calls, with the post chaplains and other post and area resources.

“Safety of the family members is our

number one priority, she said. “I want people to know that they can trust me to make sure they’re safe.”

She called her job, “sometimes overwhelming, but always fulfilling.”

“Sometime it feels like I’m an umbrella; like I’m everything to everybody; but that’s what I signed on for and that’s what I’m here for.”

She welcomes everyone, even abusers. “I’ve had Soldiers come up to me after a unit briefing to talk about things they couldn’t say in front of everyone else,” she said. “Sometimes they realize they have a problem. But even if you don’t work in advocacy, when someone comes to you or you are made aware of a situation, it is your duty to report it.”

Saunders-Gauth began her government career at Fort George G. Meade where she worked from 2008 to 2013. She served at Fort Detrick, Maryland 2013-16 before coming to APG.

The FAP office is located in Bldg. 2503, High Point Road. The office serves active duty, civilians and retirees and can refer all others to outside services and resources.

For more information contact Saunders-Gauth at 410-278-7478 or email antoinetta.m.saunders-gauth.civ@mail.mil.



APG CATCH-A-POACHER PROGRAM

A wide variety of wildlife call Aberdeen Proving Ground home. The APG Conservation Law Enforcement Branch is asking you to be a partner in protecting and preserving the natural resources here on post. If you see or have knowledge of poaching or illegal activity involving wildlife or natural resources, you can use the SUBMIT-A-TIP hotline to anonymously provide information to catch a poacher.

Call the SUBMIT-A-TIP “HOTLINE” at 410-306-4673.

Emergencies or violations in progress should always be reported via 911.

When reporting poaching or illegal activity involving wildlife or natural resources on APG, please take note of the information listed in the form below.

Name/Description/Address of the Poacher
Location/Days/Times & Type of Poaching
Vehicle/Vessel Description or Registration #

Skeet shoot helps wounded warriors relax, 'take mind off the injuries'

Continued from Page A1

Maj. Toese Tia Jr. visited with the wounded warriors.

The warriors said they enjoyed the outing to APG.

Cpl. Chad Doncaster called the event "awesome."

"When you like doing something, it becomes fun, and you enjoy being away from the hospital," he said.

Athena Knight, who is medically retired from the Army, said the event was calming, and the environment was supportive.

"I am actually thankful for the volunteers [and] the veterans that are out here helping us just relax and take our minds off of the injuries," she said, adding that she appreciated building camaraderie with the veterans and the coaches.

"We get to just be ourselves, and joke around with each other," she said.

Recreational Therapist Karen Noel, a contractor with the WRNMMC Department of Rehabilitation, said participants receive an assessment prior to the shoot to determine readiness.

"These are medical appointments, they are under our care as medical providers," Noel said. "We are constantly evaluating them."

According to Noel, the event was also a great networking opportunity. Many participants said they would like to come back to the range, she said.

"When they make those connections with the guys [the coaches], they have support outside of the hospital that they can call upon," she said.

Rebecca Aclin, a recreation therapy intern, said she saw participants improve throughout the day. Skeet shooting requires mental focus and hand-eye coordination, she said.

"We have a guy that is out here for the first time today and he has been doing really well so it has been good for us to see the confidence growing in him."

Marine Corps veteran David Andrews, with the State of Maryland Military Department, said the objective of the event was to have fun. He



U.S. Army photo by Rachel Ponder, APG News
Athena Knight, a wounded warrior from the Walter Reed National Military Medical Center, aims at her target with help from range safety officer Jack Rennie (right) during a morale-building event for wounded warriors at the APG South (Edgewood) skeet and trap range Sept. 21, 2016.

has volunteered at the MWR skeet and trap range for more than 25 years.

"I love working with wounded warriors," Andrews said. "I can relate to each one of them."

Event organizer Susan James, a contractor with PEO C3T, said the skeet shoot was made possible with funds raised from a 2009 golf tournament, the Bel Air Moose Lodge #1952, and the U.S. Army Warrant Officers Association's Aberdeen-Edgewood "Silver" Chapter.

James said earlier this year she and

other community members expressed interest in continuing the volunteer efforts of the late William "Bill" Armstrong, a former game warden with APG's Directorate of Emergency Services, who organized a series of local outdoor recreation activities for wounded warriors.

James thanked volunteers and APG MWR for contributing to the success of the event.

"Without the help of everyone involved, this event would not have been possible," she said. "The use of

the range in a safe environment was at the heart of everyone involved, and the team of volunteers involved with coordinating this event made the day a huge success for the warriors. It is an honor to give back to those who have sacrificed so much for our country."

James said the group plans to host another event this year, and are coordinating with personnel from the WRNMMC. For more information, email James at ssjames12@outlook.com.

Hispanic heritage the 'heritage of all Americans'

Continued from Page A1

Hispanics, celebrating the cultural observance.

"The strength of our nation, the strength of our society is the diversity of the cultures and the perspectives that we bring together, and how we weave those differences into a cohesive national team," he said.

Miranda educated attendees about the history of Hispanic Heritage Month, which was previously only a week long celebration created by President Lyndon Johnson in 1968. She said the observance was only extended to a month in 1988, when President Ronald Reagan expanded it to last from Sept. 15 – Oct. 15, which coincides with the independence celebrations of five Latin American countries, while many other Latin American independence anniversaries also occur during this time period.

She asked audience members of Hispanic descent to stand and share what makes them proud to be Hispanic; answers ranged from food and family, to music.

Miranda's overall message to the attendees however, was that "The Hispanic heritage of the United States is not only the heritage of people of Hispanic descent, it is the heritage of all Americans." She urged listeners to embrace the Hispanic culture, and to "reflect on Hispanics' meaningful legacy in our nation."

The dance group, Divine Dance, headed by Sarah Sevillano of U.S. Army

Communications-Electronics Command, CECOM, performed a traditional Puerto Rican dance called the Plena, which is also known as "el periodico cantado," or the "sung newspaper." This nickname came from the music accompanying the dance, which is meant to tell stories about the history and everyday life of the Puerto Rican people.

Audience members tapped their feet to the beat of the music as they watched the colorful skirts of the dancers fly across the stage.

The program was followed by a tasting of traditional Hispanic foods, which included chicken enchiladas, and a chance for guests to view the artwork, clothing, and cultural artifacts that were on display.

Guests expressed their impressions of the observance.

2nd Lt. Tara Miles, from Alpha Battery, 3rd Air Defense Artillery (JLENS), said she "loved the dancing and especially the singing."

Brady Aydelotte, with the U.S. Army Research Laboratory said he came to the event out of curiosity.

"I feel like I was given the opportunity to learn a lot of new things so I've got a lot of reading and learning to do," he said.

As the event wound down, the tunes of the Hispanic songs featured in the program could be heard throughout the event venue and even into the parking lot. Not only did the celebration educate, but it also entertained.



APG NEWS

Visit us online at

www.TeamAPG.com/APGNews

MARK YOUR CALENDAR

MORE ONLINE

More events can be seen at www.TeamAPG.com

MEETINGS & CONFERENCES

FIRE EXTINGUISHER TRAINING OCTOBER 13

Bldg. E4810. 10 a.m. to noon and 1 to 3 p.m. Hosted by the APG Directorate of Emergency Services Fire Protection & Prevention Division. For more information, contact Ernie Little at 410-306-0583 or ernest.w.little.civ@mail.mil.

FAMILY & KIDS

SUPERHEROES RUN OCTOBER 29

Exchange, 9 a.m. Kirk U.S. Army Health Clinic will host a SuperHeroes Run, Walk & Stroll for kids and adults. Kids 2K run/walk will begin at 9 a.m. 5K run will begin at 9:35 a.m. To register, visit <https://www.superheroesrunAPG.eventbrite.com>. For more information, contact Capt. Maritzabel Gonzalez at 410-278-1773

HEALTH & RESILIENCY

MEDICAL TOWN HALL OCTOBER 4

Kirk U.S. Army Health Clinic, 11:30 a.m. to 1 p.m.

BIKE RIDE FOR BREAST CANCER AWARENESS OCTOBER 5

Parking pad east of ATEC headquarters, Bldg. 2202. All are invited to participate. Special guests include: Medstar Cancer Center, Johns Hopkins Breast Center; Harford County Health Department. Riders must have reflective clothing or belt; helmet; and no earbuds. For more information, contact Gale Sauer at 443-861-9260.

BREAST CANCER AWARENESS INFO SESSION OCTOBER 6

Bldg. 6000, 11:30 a.m. to 12:30 p.m. C4ISR Wellness Committee to host Breast Cancer Informational Session featuring Dr. Atsuko Okabe, MD, FACS, Medstar Franklin Square Breast Center at Bel Air, who will provide the latest updates in breast health to include screening, treatment, and breast cancer prevention. Open to all. For more information contact Tiffany Grimes at 443-861-7901 or tiffany.l.grimes.civ@mail.mil.

DOMESTIC VIOLENCE AWARENESS INFO SESSION & SELF DEFENSE CLASS OCTOBER 13

Bldg. 6000, 11:30 a.m. to 12:30 p.m. C4ISR Wellness Committee to host a Domestic Violence Awareness Informational Session/Self Defense Class. Class will discuss domestic violence and teach self-defense moves that will give participants the confidence, knowledge, and strength needed to feel empowered in any threatening situation. Open to all. For more information contact Tiffany Grimes at 443-861-7901 or tiffany.l.grimes.civ@mail.mil.

CPR & AED TRAINING OCTOBER 20

MFRI North East Regional Training Center (near Wise Road gate), Room 205. 9 a.m. and 1 p.m. Open to all. For more information, contact Mike Slayman at 410-306-0566.

ANNOUNCEMENTS & MISCELLANEOUS

TCOMMISSARY HOURS CHANGE STARTING OCTOBER 2

The APG Commissary will alter its hours of operations on Sunday, opening an hour earlier at 10 a.m. starting Sunday, Oct. 2. For more information, call 410-278-3101.

FORGING STAKEHOLDER RELATIONSHIPS COURSE OCTOBER 5-7

Bldg. 6175, Guardian Gateway, 8 a.m. to 5 p.m. Hosted by Defense Acquisition University. Action-based learning course introduces professionals to the methods and skills necessary to identify, assess, and promote the building of stakeholder relationships required for success in the acquisition environment. Level III certification in at least one acquisition career field is a required prerequisite for the course. Upon completion students will earn 25 Continuous Learning Points. Applications due by Sept. 30. For more information, visit <http://www.dau.mil/training/Pages/apply.aspx> or contact Ben Metcalfe at benjamin.metcalfe@dau.mil or 410-272-9471.

COMBINED FEDERAL CAMPAIGN THROUGH DECEMBER 15

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

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

CHAPEL SERVICES UPDATE

Catholic Service --- The APG Chapel offers an array of Catholic Services and Religious and Faith Formation Programs open to all Soldiers, Families, DOD and contract workers residing on both APG and APG South and retirees residing in the surrounding area, including: RCIA, classes for Grades Pre-K - High School, an active Youth Group, Adult Faith Formation, Baptism and Marriage Prep classes. Schedules are available at the APG Chapel. For more information, contact Jeanne Colopietro at 443-243-2861 or teamcolo@msn.com

Protestant Service --- The APG Chapel has many opportunities to get involved with Worship Services and Chapel Programs. Worship Services are every Sunday at 10:15 a.m. and noon at APG Main Post Chapel and 0915 at APG South Chapel. Kids Programs, Adult Sunday School, Choir Ministry, Youth Ministry, Women's Programs and Men's Ministry are all in full swing this fall. Schedules are available at the Main Post Chapel. For more information, contact Joyce Wood at 410-278-4333 or joyce.l.wood.civ@mail.mil or contact Chaplain Capt. Jonathan Ginder at 278-2504 or jonathan.l.ginder@mail.mil.

APG SOUTH 2016 WATER MAIN FLUSHING

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

RETIRING SOON? UNCLE SAM WANTS TO THANK YOU!

Are you an APG Soldier or civilian nearing retirement from government service? Consider participating in the monthly Installation Retirement Ceremony. Hosted the fourth Thursday each month by the APG Garrison, the event includes awards and decorations provided to retirees and their spouses. Photo DVDs are provided to each retiree after the ceremony. All Soldiers and civilians are eligible to participate, regardless of unit or organization. For more information, contact Lisa M. Waldon at 410-278-4353 or email lisa.m.waldon.civ@mail.mil.

FIREWOOD AVAILABLE FOR SALE

Firewood is available, on a first-come first-served basis, at a cost of \$20 per level standard 8-foot pick-up truck, \$15 per level standard 6-foot pick-up truck, and \$5 per car trunk load. For more information, contact Scott English at 410-436-9804 or Kathy Thisse at 410-436-8789.

MARYLANDER'S GUIDE TO SKIN WOUNDS AND WATER CONTACT

Vibrio are bacteria that naturally occur in brackish water like the Chesapeake Bay and its tributaries, and in salt water, especially during warm weather months. Vibrio infections are rare. However, when Vibrio comes into contact with an open wound, it can cause serious infections characterized by unusual redness, swelling and drainage. This can be particularly dangerous for people with weakened immune systems.

PROTECT YOURSELF AGAINST VIBRIO

- Avoid water contact if you have any skin wounds.
- If water contact cannot be avoided, cover wounds with water-proof bandages.
- Clean wounds immediately with soap and clean water after contact. If soap and clean water are not available, clean the wound with hand sanitizer then wash as soon as possible.
- Wear water shoes to avoid cuts and scrapes.
- Wear gloves and use extra care when handling crab pots or other equipment.
- Always shower after swimming in natural waters and wash hands before handling food or eating.

If you develop a wound with unusual redness, swelling or drainage, **SEEK MEDICAL ATTENTION IMMEDIATELY** and let your healthcare provider know if you came in contact with brackish or salt water.

For more information, check out Maryland Healthy Beaches: Facts about Vibrio Bacteria at marylandhealthybeaches.com/vibrio.html

MORALE, WELFARE & RECREATION

Upcoming Activities

For more upcoming events visit www.apgmwr.com.



SAVE THE DATE

COSTCO MEMBERSHIP SIGNUPS OCTOBER 11-12

Oct. 11, Exton Golf Course, 11 a.m. to 1 p.m.; Oct. 12, APG Bowling Center, 11 a.m. to 1 p.m. New and renewal memberships accepted. Gold Star Memberships are \$55 + receive a \$10 cash card. Executive Memberships are an additional \$55 + receive \$20 cash card. Memberships include free household card for spouse or family member. For more information, contact Patricia Harkins at patricia.e.harkins.naf@mail.mil or 410-436-4667.

NEWCOMERS ORIENTATION OCTOBER 25

APG North (Aberdeen) recreation center, 1 to 3 p.m. Session will have special emphasis on volunteer opportunities at APG. Garrison briefing begins at 1:25. Information from installation and community resources will be available. For more information, contact Jennifer Eichner at 410-278-2500.

HOLIDAY BAZAAR NOVEMBER 16

APG North (Aberdeen) recreation center, 10 a.m. to 2 p.m. Vendors to feature items including home décor, jewelry, artwork, gift items, baked goods and much more. Door prizes and giveaways. For more information, call 410-278-4011.

LEISURE & RECREATION

DISNEY ON ICE DISCOUNT TICKETS OCTOBER 28, 7:30 P.M.

OCTOBER 29, 11 A.M.; 2:30 P.M.; 6:30 P.M.

OCTOBER 30, NOON; 4 P.M.

Royal Farms Arena, Baltimore. Tickets are \$23 each, while supplies last. Visit MWR Leisure Travel Services to purchase tickets. For more information, call 410-278-4011.

PENNSYLVANIA RENAISSANCE FAIRE TICKETS THRU OCTOBER 30

2775 Lebanon Road, Manheim, PA 17545. Tickets are \$25.25 each. For more information, call 410-278-4011/4907.

CINDERELLA DISCOUNT TICKETS NOVEMBER 6

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

BINGO MONDAY & WEDNESDAY

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

CHILD & YOUTH SERVICES

SESAME STREET USO EXPERIENCE FOR MILITARY FAMILIES SEPTEMBER 30, 2 P.M.

OCTOBER 1, 1 P.M.

APG North recreation center. Tickets available starting Sept. 7 at Bldg. 2503, APG South CDC, Bayside CDC, APG North CDC. Maximum of 8 tickets per family. Free admission for military families and their children. Open to all DOD ID card holder family members. For more information, call 410-278-4589.

I'M ALONE PROGRAM STARTING OCTOBER 4

APG North (Aberdeen) youth center, 5:30 to 6:30 p.m. Three day workshop based on child's age. Classes for parents and youth. imAlone Program focuses on preparing youth to stay home alone, from recognizing an emergency and first aid to preparing snacks.

4th & 5th grade students: Oct. 4 (parents only); Oct. 11 (parents & youth); Oct. 18 (youth only).

6th to 12th grade students: Nov. 3 (parents only); Nov. 10 (parents & youth); Nov. 17 (youth only).

For more information, contact Jennifer Bustos at jennifer.j.bustos.naf@mail.mil.

FAMILY MOVIE NIGHT OCTOBER 7

APG North (Aberdeen) recreation center. 6 p.m. "The Angry Birds Movie." Free movie, giveaway and craft activity. Food and drinks for sale. For more information, call 410-278-4011.

FAMILY MOVIE NIGHT OCTOBER 21

APG South (Edgewood) recreation center. 6 p.m. "DC SuperHero Girls." Free movie, giveaway, snacks, and craft activity. For more information, call 410-278-4011.

STRONG BEGINNINGS, PRE-SCHOOL AND KINDERGARTEN OPENINGS

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

SPORTS & RECREATION

RUGGLES 50TH ANNIVERSARY TOURNAMENT OCTOBER 19

Ruggles Golf Course, 7:30 a.m. registration. Shotgun start at 9 a.m. Lunch to follow completion of play. \$45 for annual green fee holders; \$60 for non-annual. Includes golf, range and lunch. For more information, call 410-278-4794.

ARMY COMMUNITY SERVICE

IDENTITY THEFT PREVENTION OCTOBER 20

Bldg. 2503 11:30 a.m. to 12:30 p.m. Session explores identity theft, how to deter, detect and defend against it. For more information, or to reserve a seat, contact Leary Henry at leary.g.henry.civ@mail.mil or 410-278-2453.

ANNOUNCEMENT

APG NORTH REC CENTER – NEW HOURS STARTING OCTOBER 1

The APG North (Aberdeen) recreation center and its associated MWR services will have new hours starting Oct. 1. The recreation center will be open Monday through Friday, 8 a.m. to 6 p.m. The Leisure Travel Office will be open Monday through Friday, 9 a.m. to 6 p.m. The library will be open Monday through Friday, 11 a.m. to 6 p.m. and closed on holidays. For more information, call 410-278-4011.

inside

PARTNERSHIPS

ARL announces a partnership between U.S. Army and the United Kingdom for distributed analytics and information science.

Army | B2

LOGISTICS

The Lean Six Sigma program at APG marks 1,000 students passing through its Yellow Belt course.

Lean | B3

PERSONNEL

DCGS-A highlights the accomplishments of an Army veteran turned civilian intelligence advisor.

PEO IEW&S | B5

newsbrief

ARMY JOINS CYBER DOMAIN & OPS

U.S. Army Cyber Command

The Army is in the process of operationalizing cyberspace to enable maneuver commanders to fight and win in the information environment in the same manner as in the ground, air, sea and space domains.

Launched in 2015, the Army's Cyber Support to Corps and Below, or CSCB, pilot is a cornerstone in Army development of operational cyberspace capabilities. Led by Army Cyber Command in partnership with Forces Command and Training and Doctrine Command, CSCB is informing the Army on how best to take cyber operations to the tactical level.

Under CSCB, cyber experts partner with maneuver units to develop, test and make recommendations to Army leadership about everything from how units will be manned, trained and equipped for cyber, to perfecting tactics and techniques, to developing plans, policies and doctrine.

CSCB improves readiness through training at home station and Army Combat Training Centers and in real-world missions.

This effort supports the recognition of cyberspace as a critical warfighting domain and the need to conduct operations to safeguard key cyber terrain, including the Army's portion of the Department of Defense Information Network.

For more information, visit www.arcyber.army.mil.

online

www.TeamAPG.com/APGNews

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

twitter.com/USAGAPG

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

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



U.S. Army photo by Dan Baldwin, CERDEC
Soldiers instructed ATEC and CERDEC civilian employees how to properly aim using a rifle during the inaugural Team APG Greening Course held Sept. 12-16, 2016. The "Soldiers in training" used their new knowledge to shoot live rounds during the week.

'Greening' Army civilians

APG gives research & development and test & evaluation civilians insight into the U.S. Army Soldier experience

By **DAN BALDWIN**

Communications-Electronics Research, Development and Engineering Center

ABERDEEN PROVING GROUND, Md. – For one week, civilian engineers, scientists and business support staff left their labs and cubicles to live the life of a U.S. Army Soldier and gain a deeper appreciation for the Army mission Sept. 12-16.

The U.S. Army Training and Doctrine Command, or TRADOC, is promoting an Army civilian acculturation program across

all installations to better integrate civilian employees into the military.

To align with this effort, the U.S. Army Materiel Command's Communications-Electronics Research, Development and Engineering Center, or CERDEC, and the U.S. Army Test and Evaluation Command, or ATEC, have partnered to create Aberdeen Proving Ground's first collaborative Greening program. Seventy two ATEC and CERDEC civilian employees made up the inaugural Greening Course class.

"Everybody on APG supports the Soldier in one way, shape or form, so it is beneficial to gain a better understanding of 'the Soldier,'" said ATEC Commanding General Maj. Gen. Daniel L. Karbler. "This is an outstanding program supported by all the partner units at APG, and it gives us a chance to introduce our civilian workforce to the military culture, lifestyle, lingo and great field rations."

See **CIVILIANS**, page B7

ECBC visits University of the District of Columbia

Army kicks off partnership with minority serving institutions

Edgewood Chemical Biological Center
Press Release

ABERDEEN PROVING GROUND, Md. – Leaders at the Edgewood Chemical Biological Center, known as ECBC, recently completed the first stop on the inaugural campus tour for the MSI STEM Research and Development Consortium, a collaboration between minority serving institutions, or MSI, of higher education throughout the country, government agencies and the private sector. The consortium is designed to promote innovation and stimulate science, technology, engineering and math, or

See **CONSORTIUM**, page B8



U.S. Army photo
Dr. Joseph Corriveau, Edgewood Chemical Biological Center director, addresses faculty and staff from minority serving institutions, or MSI, at the inaugural campus tour for the MSI STEM Consortium at the University of the District of Columbia in Washington, D.C. ECBC is a founding sponsor of the consortium.



1st AML participates in certification exercise

Members from Bravo Team, 1st Area Medical Laboratory, the only deployable lab in the Army, prepare some test samples to troubleshoot their equipment during the set-up portion of their Certification Training Exercise at Fort Dix, New Jersey on Sept. 16, 2016.

As a yearly requirement, 1st AML Soldiers go through a field training exercise to certify they are tactically and technically mission-ready in case they are needed in any part of the world.

U.S. Army photo by Angel D. Martinez-Navedo, 20th CBRNE Command

Army lab announces new alliance with UK Ministry of Defence

By **JENNA BRADY**
U.S. Army Research Laboratory

ADELPHI, Md. – The U.S. Army Research Laboratory has once again aligned with the United Kingdom's Ministry of Defence in a new and innovative opportunity for cooperation in the area of Distributed Analytics and Information Science, or DAIS.

The DAIS International Technology Alliance seeks to develop the fundamental underpinning research required to enable secure, dynamic, semantically aware, distributed analytics for situational understanding in coalition operations.

The two governments will form a collaborative alliance with a consortium of leading U.S. and UK academic and industry partners led by IBM, which has major research and development operations in both nations.

Academic and industry partners include the University of California at Los Angeles, University of Massachusetts at Amherst, Pennsylvania State University, Purdue University, Raytheon BBN Technologies, Stanford University, Yale University, Airbus Group, BAE Systems, Cardiff University, Imperial College London, University of Southampton and University College London.

Current coalition operations are placing significantly greater burdens on the people and technologies that are deployed, as our adversaries increasingly have access to advanced communications, information and analytics technologies.

To counter these adversaries, coalition information superiority is a necessity—a necessity this alliance will help preserve.

“Research in distributed analytics and information science directly addresses the growing challenges in conducting coalition operations by enabling distributed, dynamic and secure coalition communication—information infrastructures that support ad-hoc coalition teams and utilize distributed analytics to derive shared situational understanding,” said Greg Cirincione, U.S. collaborative alliance manager for the DAIS ITA.

The DAIS ITA comprises three com-



U.S. Army graphic

The U.S. Army Research Laboratory and the United Kingdom's Ministry of Defence announced a new partnership in the area of Distributed Analytics and Information Science, or DAIS, Sept. 23, 2016.

ponents: the Basic Research Component and two Technology Transition Components, one each for U.S. - or UK-led efforts.

The Basic Research Component will provide for fundamental research, the results of which will be in the public domain. The Technology Transition Components will provide for the application of the fundamental-research results to military, security and commercial applications to foster the best technologies for future defense and security needs.

“The research will generate the foundational, enabling technology and insights to enhance future coalition information superiority and operations,” Cirincione said. “Future coalitions will operate increasingly in complex and dynamic

environments, with a broad range of entities and actors. The success of the mission will be improved by the ability to dynamically, rapidly and securely form ad-hoc coalition teams that can share data, information and network infrastructure to enable a common situational understanding.”

ARL and the UK MoD have a history of successful partnerships, and this alliance will further enhance that relationship and the work being done behind the scenes for the Army, the joint warfighter and our nation.

“The U.S. Army and ARL have a long history of working closely with the UK MoD and UK Defence Science and Technology Laboratory, one of our closest allies and coalition partners, as was dem-

onstrated with the very successful U.S.-UK Network and Information Sciences ITA,” Cirincione said. “To address the key research gaps and challenges in coalition operations, synergies from robust U.S. and UK collaborations can achieve results not possible without insights and innovations from U.S. and UK industry, academia and government.”

According to Cirincione, the end goal of the alliance is to successfully collaborate across industry, academia and government to significantly advance the state of the art in distributed analytics and information sciences in order to impact and enhance future military coalition operations.

Nanotech may revolutionize future engines

By **DAVID MCNALLY**
U.S. Army Research Laboratory

ABERDEEN PROVING GROUND, Md. – At the Army Research Laboratory, scientists are on the hunt for nanomaterials that could improve engine technology in a big way.

“What we’re seeing is a revolutionary property arising in a class of materials that we never thought was possible,” said Dr. Kristopher A. Darling, a materials scientist with the laboratory’s Lightweight and Specialty Metals Branch.

Darling and his team of collaborators published startling new findings in the September issue of the scientific journal *Nature* that, he believes, could lead to many new materials applications, including inside turbine engines, where temperatures can soar to more than 2,500 degrees Fahrenheit.

In the *Nature* paper, “Extreme creep resistance in a microstructurally stable nanocrystalline alloy,” published Wednesday, Sept. 14, Darling outlines how his team stabilized a copper alloy microstructure and found it to be strong at very high temperatures.

The Department of Defense depends on jet turbine engines that require just this combination of high-structural strength coupled with high thermal stability, though the material is copper, not a material typically used in engines.

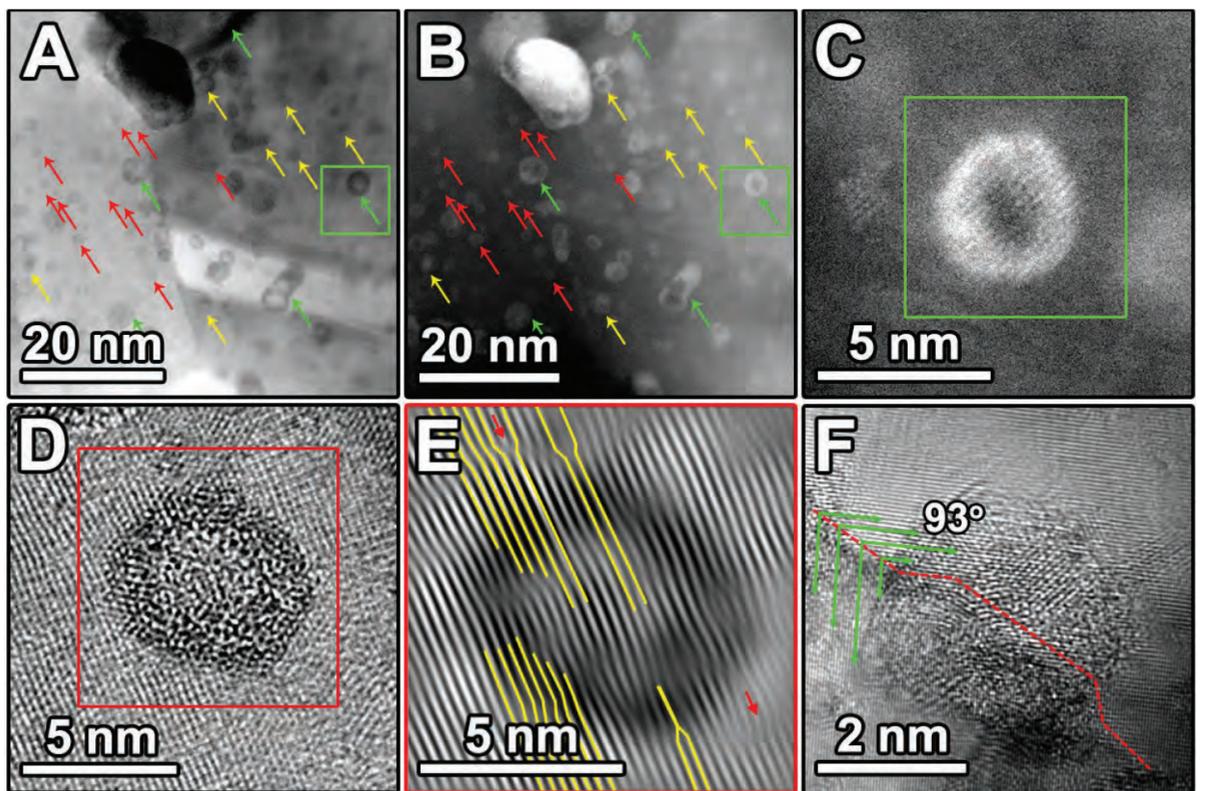
“But what it demonstrates is that these types of microstructures are capable of achieving properties that are extraordinarily high in comparison to what you would normally see in a conventional type of material,” Darling said.

The team hopes to recreate the combination of properties within other types of materials like nickel, cobalt or tantalum, which would have the potential to revolutionize engine technology.

Darling said the findings are all about the “creep response” of the paper’s title, which refers to how materials deform under continuous stress at elevated temperatures.

“We’re seeing orders of magnitude improvements in the creep response,” he said. “There is a six to eight orders of magnitude increase in creep response relative to what conventional nanocrystal materials can do.”

According to Darling, results from the preliminary tests of the material left the scientists scratching their heads. So they reached out to colleagues at the University of North Texas and Arizona State Univer-



U.S. Army graphic

The image highlights the high density of nanoclusters of various sizes. Dr. Kristopher A. Darling, a materials scientist with the U.S. Army Research Laboratory, published findings in the journal *Nature* describing the unexpected strength of copper nanostructures at high temperatures.

sity to confirm what they were observing was correct.

“A lot of times unique discoveries are made by accident or by sheer luck, and this was one of those cases where we started to probe the material and we didn’t see the response that we were expecting,” Darling remembered.

“They didn’t believe it either,” he said. “They said there’s no way that this could be possible. They began to test the samples themselves, and then they were amazed. From there, all the excitement grew ... Ultimately it led to writing this paper.”

Nanotechnology research in metals is a relatively young field, he said. Just a couple of decades ago, researchers were just learning how to synthesize nanomaterials in bulk form and just beginning to understand their fundamental properties.

Darling has been studying this material for about five years. He started working at the laboratory after earning his doctoral degree from North Carolina State University in 2009.



U.S. Army photo by David McNally, U.S. Army Research Laboratory

Dr. Kristopher A. Darling is a materials scientist with the U.S. Army Research Laboratory’s Lightweight and Specialty Metals Branch.

ARL develops advanced translator devices for use in Africa

By **DAVID VERGUN**
Army News Service

ADELPHI, Md. – Being able to converse with people who don't speak English is essential for the Army, since every day, Soldiers are partnering with militaries in dozens of countries around the world.

A number of speech-translator devices are available commercially, and Soldiers have been using them. However, speech translators are seldom completely accurate and problems can arise in places where the population converses in a dialect, a form of a language that is specific to that region, according to Dr. Steve LaRocca, a team leader at the Multilingual Computing and Analysis Branch at the Army Research Laboratory.

One especially large problem area identified by the Army is the continent of Africa, where dialects of French are spoken in 21 countries. These are countries that Soldiers from U.S. Army Africa often visit.

When a Soldier speaks English into a translator device, it comes out in standard French, spoken in Paris, which speakers of French dialects can usually comprehend, LaRocca said. The problem arises when the Soldier must translate the French dialect into English using the translator device, because the device has trouble understanding the unique accents, vocabulary, and grammar of the dialect.

Producing speech-translator devices that understand dialects wasn't commercially feasible for the private sector, so LaRocca and his team were tasked by the Army with producing algorithms that can give translator devices the ability to comprehend dialects of French and translate them into English.

The vendor of a speech translator device allowed LaRocca's team to unlock the device in order to add an algorithm overlay onto the standard French model that would process the dialect, LaRocca said.

How the algorithm works

First, LaRocca and some of his team traveled to Africa, where they collected male and female samples of speech from natives of Cameroon, Gabon, Chad and the Congo. They were especially intent on collecting speech involving the use of medical terms and tactical language useful to militaries.

Once the speech data was collected from 50 to 100 speakers of each dialect, "two bits of magic" were then applied, LaRocca said.

First, the "signal," meaning the recorded speech, was parsed into fre-



U.S. Army Research Laboratory photo
Dr. Stephen LaRocca, an Army Research Laboratory computer scientist and team chief of the, listens to dictation from two of the volunteers at Central Accord 16 in Libreville, Gabon, June 2016, who were recording audio files that will be used in an ARL project to adapt translation software for use in the region.

quency bands to find the energy peaks that characterize the vowels and consonants of the accent. Adapting for accented speech adds a ripple or two to the curves for better models, LaRocca said.

The second bit of magic, he said is producing a "fuzzy match" of those peaks and valleys of energy and applying that to a model that can predict what the person has just said based on those energy patterns.

It's fuzzy, he said, because no two individuals within the same dialect pronounce words exactly the same, so a precise match of every word spoken by every individual is not feasible. The goal was to get as close as possible using statistics and probabilities.

Just five or six years ago, producing the algorithm wouldn't have been possible, he said. It is only possible today thanks to recent breakthroughs in "deep neural learning," a process that combines the fields of mathematics, computer science and natural language processing.

John Morgan, a mathematician on the team, does the natural language processing and builds the algorithms. He said most of the code he writes is borrowed from others and arranged in a way that

makes the language recognition model work. He added a couple hundred lines of his own code to the mix to tease out the results they were hoping for.

The big rollout

According to LaRocca, the timeline for the enhanced speech recognition device is as follows: The commercial vendor will unlock the device before year's end so the algorithm can be overlaid and the device tested. The fielding of the device is expected to be very rapid, starting as early as next spring. Once fielded, the team predicts the device will have a 20 percent decrease in word error rates over the current standard French device.

As for the distant future, LaRocca predicted that new algorithms will be written to detect stress in people's voices and even determine whether or not a person is telling the truth. He believes the voice translator device will one day take the form of wearable technology, instead of the bulky cell phone-like device it is today.

Arabic will be next

Jamal Laoudi, a senior linguistics analyst on the team who speaks French, Arabic and English, said plans are

already being made by his team to produce a similar device that can translate the many dialects of Arabic. In fact, voice data is already being collected from Tunisia.

Arabic is an even bigger challenge than French dialects, he said, because while French speakers can understand each other throughout Africa, Arabic spoken in nations across North Africa and the Middle East are so different that people from one country sometimes cannot understand the language spoken by someone from another.

And, while there is standard French, spoken in Paris, the so-called "modern standard Arabic" is spoken in no Arab-speaking country, he said, comparing it to Latin, which is the root language of French, Spanish, Portuguese, Italian and other languages.

Why so many Arabic dialects? Besides the vast distances that separate Arabic-speaking peoples and the influence of non-Arabic-speaking indigenous peoples, the many dialects are also a legacy of the colonial era, when different colonial powers controlled different Arabic-speaking countries, he said. Foreign words and speech patterns crept in.

Lean Six Sigma Yellow Belt Course reaches the 1,000th student mark

By **TOM CAMERON**
Communications-Electronics Command

ABERDEEN PROVING GROUND, Md. – The Lean Six Sigma Yellow Belt course managed by the U.S. Army Communication-Electronics Command, or CECOM, at APG recently reached a major milestone, teaching the principles of improving processes and eliminating waste to more than 1,000 students, since the course was first offered in 2011.

Lean Six Sigma, or LSS, is one of the Army's strategies for achieving and maintaining a culture of continuous improvement. "Lean" refers to eliminating waste in a process. Six Sigma focuses on eliminating variation in processes and improving performance. The term "six sigma" refers to a quality level of three defects per million opportunities.

The yellow belt course combines the Lean Six Sigma strategies, as well as the define, measure, analyze, improve, and control, or DMAIC, framework.

Designed to help build an organizational-wide culture of total immersion into continuous process improvement, the yellow belt course is a one-day LSS awareness class developed and taught by Command Master Black Belt, Harlan Black, a computer scientist with the CECOM Software Engineering Center, or SEC.

Throughout the course, Black provides examples of process improvements and conducts exercises to drive home the importance of being able to meet customer expectations and build a culture of continuous process improvement.

"The YB course introduces the workforce to the principles, methods and tools associated with Lean Six Sigma," he said. "Students learn how processes can be 'leaned' by eliminating waste,

such as that found in transportation, inventory, motion, waiting, over production, over processing, defects and skills otherwise known as 'TIMWOODS'. They also learn that Six Sigma refers to eliminating variation within processes and reducing defects."

According to LSS officials, prior to 2011, there were no in-residence awareness courses available to the general CECOM workforce, with the exception of Tobyhanna Army Depot in Pennsylvania. Instead, there was only an online Department of the Army course consisting of slides. The training was mandatory for the command at the time, and while it served a purpose, it didn't take anyone too far.

Officials went on to say that in years past, if an individual wanted to learn more about LSS, their options were limited to attending the Army's two week green belt course or four week black belt course. The courses provided an in depth look into LSS and required the student to be assigned a process improvement project to lead. The considerable time away from normal duties, planning, resources and coordination with project sponsors and master black project mentors made attendance rather selective.

Black said he recognized the need for a short course where students can walk away with an understanding of LSS and techniques that they can apply at their workplace – and even in daily life – that can make them more successful and effective. Thus, the yellow belt course was born.

SEC was first to mandate the training for its workforce in 2011. Soon after, other CECOM activities began sending representatives to the class on a voluntary basis. Over time, other Army



U.S. Army photo
Students enrolled in the Lean Six Sigma Yellow Belt Course hosted by the U.S. Army Communications-Electronics Command at Aberdeen Proving Ground, Md., mark the 1,000th student to learn principle of improving processes.

commands and federal activities beyond CECOM learned of the course through networking and requested the training. More recently, heavy demand from the Logistics and Readiness Center necessitated additional classes.

Said Black, "Feedback from many of our Yellow Belts told us that they wanted more and we went on to develop a series of three seminars that are deep dives into some of topics in Yellow Belt. We termed this next track Light-Green Belt (LGB) and we've been running LGB courses all summer. We also saw a need to define a lighter version of process improvement projects and called the package LSS-Light. The LSS-Light concept provides motivation, structure, and recognition for personnel who want

to step forward with an idea on how to rapidly make improvements."

Yellow Belt training not only serves as a good basic stand-alone course, it is highly recommended before going on to the more advanced courses such as the new CECOM Light Green Belt course and the standard DA Green and Black Belt courses.

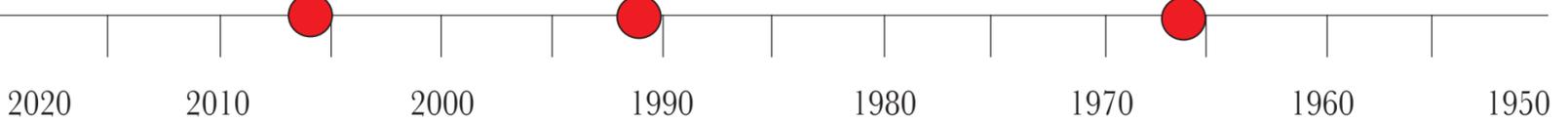
Students completing the Yellow Belt course receive a course-completion certificate and seven Continuous Learning Points (CLPs). Several Yellow Belt classes are scheduled throughout the year at Aberdeen Proving Ground. Those interested in taking the course should contact their Training Manager or Black at Harlan.h.black.civ@mail.mil.

THIS WEEK IN APG HISTORY



Take a look back in time as the APG News explores what made the headlines around APG during this week 10, 25 and 50 years ago. This week's APG News masthead is from 1978.

By **YVONNE JOHNSON**, APG News



10 Years Ago

Sept. 28, 2006

Family Child Care applicant Amanda Gorackowski practices performing cardiopulmonary resuscitation on an "infant" during training at the APG Community Support Center.



25 Years Ago

Sept. 18, 1991

Capt. Raymond E. Obst of the Ordnance Center and School watches an Aberdeen High School football player throw a pass while volunteering as the team's backfield coach.



50 Years Ago

Sept. 29, 1966

APG Deputy Commander Brig. Gen. John K. Boles Jr., right, presents the Air Medal (third oak leaf cluster) to Col. Raymond E. Johnson, left, of the U.S. Army Test and Evaluation Command, for piloting a prototype Army CV-7 Buffalo aircraft from Travis Air Force Base, California, to the Republic of Vietnam in November 1965 in a record 37 hours, 30 minutes.

SSC fellows visit Capitol Hill

By **JAMES OMAN**

Defense Acquisition University

ABERDEEN PROVING GROUND, Md. – Fellows from the Senior Service College Fellowship Program, or SSCFP, from APG; Warren, Michigan; and Huntsville, Alabama visited Capitol Hill in Washington, D.C., Sept. 12-13 as part of the 10-week PMT 401 program manager's course.

During the two-day workshop, fellows heard from multiple top level speakers representing a variety of viewpoints and perspectives on different aspects of policy, security, the role of government, and U.S. national interests.

Walter Oleszek, senior specialist in American Government, Congressional Research Service at the Library of Congress, served as the program moderator and provided an overview of the evolution of power in Congress which touched upon divided power, partisanship, and the impact on policy making.

On Sept. 12, fellows heard from a variety of speakers, ranging from former congressmen and their staffers, to journalists.

Martin Russo, CEO of Russo Capitol Strategies and a former representative from Chicago, shared his views on the role of lobbyists shaped by his unique perspective as a current lobbyist and as a former member of Congress. Russo was followed by Sid Davis, former vice-president and Washington bureau chief at NBC News and former program director at Voice of America. Davis provided his perspectives on the role of the media and their impact on U.S. national interests.

Dr. Yuri Maltsev, a defector from the Soviet Union and former Senior Economist, Academy of Sciences of the USSR, discussed President Vladimir Putin's Rus-

sia and its growing world-wide influence. The last speaker for the day, Jon Etherton, defense and intelligence consultant and former professional staff member, U.S. Senate Subcommittee on Acquisition and Technology, discussed acquisition policy, reform, and human capital initiatives.

On day two, noted author, Gordon Chang, covered a vast amount of material as he provided his thoughts and assessments on China and North Korea and their impact on the national interests of the United States. Chang was followed by Lucian Niemeyer, Niemeyer Group president and a former professional staff member for the Senate Armed Services Committee, or SASC. Niemeyer addressed the role of the SASC, provided his insights on the functions and responsibilities of the SASC, and touched upon his role as a staffer in support of the committee.

On Tuesday afternoon, the fellows were given free time to visit their congressmen and women, explore the Capitol buildings and sit in on Congressional hearings and observe votes. Many of the fellows obtained Capitol gallery passes from their senators' and representatives and were able to observe legislation in action.

The two days spent on Capitol Hill provided each fellow with a deeper understanding of the workings of Congress and its relationship to the Department of Defense, a sense of the "bigger picture," and the role that each of them has played in providing support to the warfighter.

The SSCFP is a nationally-recognized, Army-sponsored program designed to develop strong, effective senior leaders for the Department of Defense Acquisition community. SSCFP announcement,



Courtesy photo

Fellows from the Senior Service College Fellowship at Aberdeen Proving Ground, Maryland; Huntsville, Alabama; and Warren, Michigan; post for a photo during a visit to Capitol Hill in Washington, D.C., Sept. 12-13, 2016.

call for applications for selection/attendance to attend the class of 2017-18, which starts on July 24, 2017 is expected to run from December 16, 2016 through March 22, 2017. Program announcement information will be posted on US Army Acquisition Support Center website at

<http://asc.army.mil/web/>. Acquisition professionals from the fourth estate may also apply for consideration/selection.

For more information, visit the DAU website at www.dau.mil/sscf/Pages/apg.aspx or contact James Oman at james.oman@dau.mil or 410-272-9470.

Army Materiel Command names AMSAA analyst as Employee of the Quarter

James Amato, director of the U.S. Army Materiel Systems Analysis Activity, or AMSAA, presents the U.S. Army Materiel Command "Employee of the Quarter" award to Tiffany Gutowski, an operations research analyst at AMSAA, Sept. 19, 2016.

"In her short career of seven years she has accomplished much," said James Horchner, Gutowski's supervisor. "She is an engaged volunteer that was a featured speaker at the recent APG Women's History Month Ceremony. She participates in community outreach and organizational improvement efforts... She has a simple motto that explains her success, 'always be more prepared than the other guy.' Her recent recognition as the AMC Employee of the Quarter brings great pride to all of us at AMSAA."

U.S. Army photo by Sean Kief, U.S. Army Garrison Aberdeen Proving Ground



PEO-IEWS Superstar: Eric Grover, Operational Intelligence Advisor

By **BOB DIMICHELE**

Distributed Common Ground System-Army

ABERDEEN PROVING GROUND, Md.-- As an Operational Intelligence Advisor for the Project Manager of the Distributed Common Ground System-Army, known as DCGS-A, Eric Grover works to make sure the Army's premier family of systems for the tasking, processing, exploitation and dissemination of intelligence data functions as it should for Soldiers in the field.

Grover said he "represents the user interface" with the intelligence analysis and fusion system. "I want to make sure our systems and processes don't hinder, but amplify, Soldiers' capabilities," Grover said simply as he described his job. He is a member of the DCGS-A Intelligence Process and Analysis Team, or IPAT, and he analyzes system software and operational workflows to assure DCGS-A works effectively in the tactical environment for which it was designed. His evaluations better enable Intelligence Analysts' use of the system. Sometimes, he said, the system requires software rewrites to create interoperability and sometimes it takes a workflow modification to facilitate the tasks required of intelligence analysts such as information collection and targeting.

According to Grover, there aren't standardized operational workflows tied to DCGS-A's system architecture by the intelligence user community. Therefore, he said, workflows he analyzes and recommends are simply "one way" in which workflow execution can happen within DCGS-A. "I want to offer the best way to unleash the power of the system of systems," he explained. Grover regularly meets with system engineers, design engineers and testers to develop a way for Soldiers obtain DCGS-A's full potential.

Grover spent ten years in the Army as an All Source intelligence analyst, first trained in the Soviet order of battle and then in counter insurgency operations. He deployed to Iraq in 2006 and served at the V Corps G-2 as a specialist. "It was a great experience. I was the only All Source analyst in my cell so I got to work with all ranks." Grover deployed again in 2009, this time to Afghanistan with the 5th Stryker Brigade Combat Team, 2nd Infantry Division, where he served as a targeting non-commissioned officer in charge in the brigade's Analysis Control Element.

"That was my first DCGS-A experience but the system didn't meet my expectations then," he said.



U.S. Army photo

Eric Grover, an operational intelligence advisor for the project manager of the Distributed Common Ground System-Army works to make sure the Army's family of systems do "what they are supposed to do" when it comes to intelligence data.

He left military service in 2012 and joined the IPAT in 2013. But, that first experience with DCGS in Afghanistan "informs and motivates how and why I assure operational integrity of the systems," Grover emphasized. "I want to make sure the system does what it is supposed to do."

He has been working on the incremental development of the Threat Characteristics Work (TCW) Center since joining IPAT. The DCGS-A TCW supports analysts in creating relevant intelligence planning and threat analysis tasks that can enhance a commander's situational understanding of the operational environment. Working with the DCGS-A Systems Integration Laboratory and a commercial vendor, Grover has helped to create a tool that enables a workflow for every order of battle for conventional force-on-force operations. His focus now for TCW is to make it easier for Soldiers to use by streamlining how a unit develops threat templates and develops enemy courses of action.

Grover also advises military intelligence units on system utilization. For

"I want to make sure our systems and processes don't hinder, but amplify, Soldiers' capabilities."

Eric Grover

DCGS-A Operational Intelligence Advisor

example, he and other members of the IPAT recently collaborated with members the 470th Military Intelligence Brigade at the Joint Base San Antonio, Texas, to develop technical skills, increase professional knowledge, and contribute to a culture of learning there. The 470th MIB provides intelligence support to US Army South. There, he held a two-way dialogue about processes and workflows. "We went to solve issues and gain insights into their thought processes associated with the system."

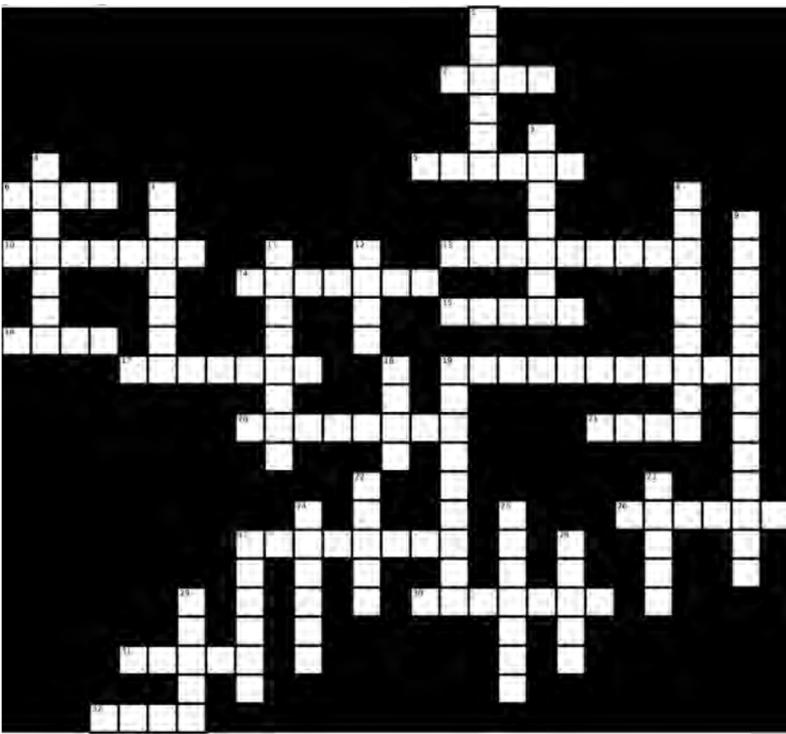
Grover attributes his success to operational experience and an adaptive mindset.

He said, "You must understand who the customer is and what their objec-

tives are." In summarizing his work, Grover said, "I'm simply trying to enable the Soldier to better inform the commander. Commanders' situational awareness is greater because of our tools."

While his work involves software and workflows and data entities, Grover is a family man who loves the outdoors. With his wife and two young children, he can be found canoeing or hiking in the Codorus State Park of South central Pennsylvania.

Between work and family time, Grover fits in his other love, his Harley motorcycle. "My hour commute to and from work is about the only time I have left for a motorcycle ride."



The APG Crossword

Harford County, Maryland

Since its formation in 1773, Harford County has been known as much for its historical past as its present-day status as a diverse farming and manufacturing region and the home of Army technology at Aberdeen Proving Ground. Test how much you know about this Northern Maryland County in this trivia puzzle.

By Rachel Ponder, APG News

Across

- In the 1800s and early 1900s, Havre de Grace was known for _____ hunting.
- The town of Bel Air hosts free summer concerts each _____ in June, July and August at Shamrock Park in Bel Air.
- This signer of the Declaration of Independence was born in Abingdon.
- _____ Falls, is the second highest vertical drop waterfall in Maryland. This popular swimming hole is part

- of Rocks State Park, near Pylesville.
- The Bel Air Festival of the Arts is held the third Sunday in _____ at Shamrock Park.
- Thomas Run Church, also known as _____ Meeting House, is a historic Methodist church located in Bel Air. It was one of the first structures used by Methodists in colonial America.
- Held on the first Saturday in October, the Darlington _____ Festival features fall-themed vendors, activities and live entertainment.
- The Havre de Grace Racetrack,

- which operated from 1912 to 1950, was nicknamed "The _____."
- The _____ Point Lighthouse, in Havre de Grace, was built in 1827.
- The Harford County Airport is located in this town.
- Kimmie Meissner, a 2006 Olympic figure skater, graduated from _____ High School in 2007.
- First held in 1988, the annual Harford County _____ Fair celebrates Harford County's agricultural heritage.
- The Aberdeen IronBirds play their home games at _____ Field at Ripken Stadium.
- Cal Ripken Jr., who holds the record for consecutive Major League Baseball games played, attended _____ High School.
- Ladew _____ Gardens, located in Harford County, was established in the 1930s by socialite Harvey S. Ladew.
- "House of _____," a popular Netflix television series, starring Kevin Spacey, is filmed in Harford County.
- Harford County adopted the _____ Declaration March 22, 1775, the document is considered a precursor to the Declaration of Independence.

Down

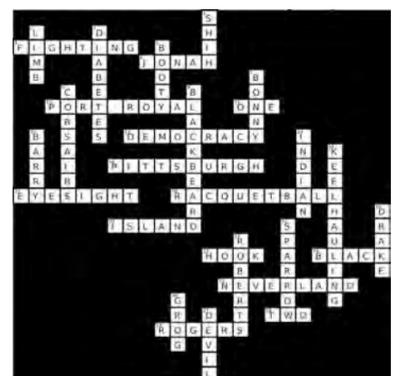
- This U.S. president visited APG on Feb. 17, 1951.
- Havre de Grace, was nearly voted the _____ of the U.S. by the First Congress in 1789.
- _____ Point Park is a waterfront park in Joppatowne.
- The _____ Covered Bridge, built in 1865, is located on the line between Baltimore and Harford counties. There are rumors the bridge is haunted.
- _____ Mill Village, built in 1772, is one of the oldest and most intact mill villages in Maryland. It also serves as the headquarters of the Gunpowder Falls State Park.
- The King and Queen Seat, located in Rocks State Park, near Pylesville, was once a ceremonial gathering place of the _____ Indians.
- The MA & PA Heritage Trail is located on portions of the former Maryland & Pennsylvania _____ corridor in Bel Air and Forest Hill.
- In colonial America there were

- three towns in the area of present-day Joppatowne: Gunpowder Town, Foster's _____ and Joppa.
- From the 1940s through the 1970s, the _____ Shoe Company, in Belcamp, was Harford County's largest private employer.
- The _____ Dam sits on the border of Harford and Cecil counties.
- _____ Hall, in Bel Air, is the boyhood home of John Wilkes Booth.
- Harford County was named after _____ Harford, the illegitimate son of Frederick Calvert, 6th Baron Baltimore, an English nobleman.
- The Hays-_____ House is an historical home located on the campus of Harford Community College. Its initial owner, Thomas A. Hays, was one of the founders of the town of Bel Air.
- Eric N. "E. J." Henderson, who attended Aberdeen High School, played nine seasons as a linebacker for the Minnesota _____.
- The Maryland State BBQ Bash is a barbecue-themed festival held each year in Bel Air during this month.
- Ice _____ is a twin-rink facility for ice skating and hockey, located in Abingdon.
- The most decorated Olympian of all time, Michael Phelps, attended nursery school at the Children's Center of _____ Harford.

Think you solved last week's puzzle?

Check out the solution below

Solution to the September 22nd puzzle



Civilians found course to be intense experience

Continued from Page B1

“Much of the Army’s research, development, engineering and testing is performed at APG,” said CERDEC Military Deputy Director Col. Matthew Schramm. “For that reason, this course is especially important for the installation’s civilians whose work enables current and future Soldier technologies.”

The partnership began back in March during CERDEC’s last Town Hall meeting, Schramm said. During the meeting, a civilian asked when CERDEC would host another Greening Course.

After inquiring if there had been a Greening Course that existed on base, Schramm said he reached out to Team APG organizations across the installation to see what may have been done in the past. ATEC then reached out to CERDEC expressing their interest in partnering to collaborate on a Greening Course.

“I thought it was very beneficial to partner with another organization to leverage all assets and resources across the installation” Schramm said. “CERDEC could provide things that ATEC couldn’t provide, and ATEC could provide things that CERDEC couldn’t provide. We shared resources and assets for the greater group.”

The purpose of the Greening Course is designed for new hires to gain Army knowledge and to gain a greater appreciation for the Army’s most valued asset, the Soldier.

“Based on the feedback we received, the Greening program is a great way to get the civilian population to understand some of the tasks performed by Soldiers,” said Sgt. 1st Class Clifford Martin II, senior enlisted advisor for CERDEC. “CERDEC and ATEC are both Army organizations, and this program helps the civilians to remember that.”

The program offered information for civilians with limited knowledge about the Army and military life. Participants began the week learning about Army history as well as military rank and structure.

The “Soldiers in training” learned simple tasks like how to properly march and tell military time before advancing to more complex tasks like learning the necessary tactics and techniques needed to successfully enter and clear a room.

“The training was not set up to resemble an actual boot camp,” Martin said. “It was designed to get the civilians to become familiar with some of the



Seventy two CERDEC and ATEC employees experienced life as a U.S. Soldier during the Team APG Greening Course Sept. 12-16. One of the many events included rappelling down a tower more than 30 feet tall.

U.S. Army photo by Dan Baldwin, CERDEC

training Soldiers do on a regular basis; however, not all events were everyday Soldier tasks. Some tasks would be performed at more advanced levels.”

The civilian employees also had an opportunity to tackle the same obstacle course used to train Soldiers, solve Leadership Reaction Course challenges designed to help build leadership and teamwork skills, learn how to escape a Humvee that has rolled over, fire assault rifles and rappel down a 30-foot tower.

The highlight of the week for many was a trip along the shoreline in a Blackhawk helicopter.

“Riding in the helicopter, having it go up and stall, and go down, that was pretty intense,” said Ryan Konas, a U.S. Army Test Center engineer.

During lunch, participants even had a chance to dine on the finest Army cuisine, Meals Ready to Eat, or MREs.

“The intention is not to make them Soldiers,” Schramm said. “The intention is to give the civilian employees some experience so when they go back to their workforce as the engineers, scientists

and testers of this community, they can have a little bit more familiarization of what a Soldier does and put it into context of what they’ll do in building future materials and future technical solutions for the Soldiers.”

While it is important for members of the civilian workforce to become familiarized with everything a Soldier does, the week’s course was strictly voluntary for all participants.

“I would like the Greening Course to be mandatory for all CERDEC employees, but it is strictly voluntary,” Martin said. “All the events were strictly voluntary. There were some events that a few participants were not comfortable with. The great thing is the ones that did not do every event still stayed on site and cheered for their ‘battle buddies.’ At that point, it was obvious that everyone felt part of a team.”

“It’s been a great experience trying to get acclimated to what the military life is all about,” said CERDEC mechanical engineer Robert Tyndall, who was five

weeks into his employment at the start of the Greening Course. “I would definitely recommend everyone doing the course. Do everything you feel comfortable with, and stretch yourself.”

With the success of the inaugural Team APG Greening Course, ATEC and CERDEC hope to continue the program for all new hires once a year, with the possibility of expanding it to twice a year.

“Part of the CERDEC/ATEC missions are to make sure Soldiers have the latest, greatest equipment to maintain technological advantage,” Schramm said during the Greening Course graduation Ceremony Sept. 16. “To do that, you have to understand Soldier needs. Outside of this course, I encourage you to continue to get up and get out, to talk to Soldiers on a regular basis. Promote Greening as an opportunity to interact with Soldiers, and to get a direct appreciation for what our Soldiers do, and what they need.”

BY THE NUMB#RS

Butterflies

There are about 165,000 known butterfly species in the world, found on every continent except Antarctica. Learn more about these colorful, delicate creatures with these fast facts.

104

Years since scientists discovered butterflies are equipped with tiny ears on its wings. New research suggests that butterflies can differentiate between high and low pitched sounds, possibly as a way to listen for nearby birds, their predators.

43

Years since the Baltimore Checkerspot Butterfly was named the official insect of Maryland.

37

Miles the world’s fastest butterfly, a skipper, can fly per hour. Most butterflies fly at 5 to 12 miles per hour.

36

Years since the Monarch Butterfly Biosphere Reserve, near Mexico City, was established as a wildlife refuge. Each fall, as many as 60 million to 1 billion monarch butterflies migrate from eastern Canada to this reserve.

4

Number of stages in a butterfly life cycle: egg, larva, pupa and adult. Most butterflies live about 2 weeks. Some generations of monarch butterflies can live up to 9 months.

By **RACHEL PONDER**, APG News
Sources:

<http://www.livescience.com/>; <http://zoonooz.sandiegozoo.org/2015/03/15/19-fascinating-butterfly-facts/>; <https://www.wikipedia.org/>; <http://www.visitmexico.com/en/michoacan-where-monarch-butterflies-migrate>

ACRONYM OF THE WEEK

BEP

Bureau of Engraving & Printing

The Bureau of Engraving and Printing is a government agency within the U.S. Department of the Treasury that designs and produces government security documents. Primarily, BEP prints billions of dollars in Federal Reserve Notes – paper money – for the Federal Reserve. The BEP does not produce coins – all U.S. coinage is minted by the United States Mint.

The BEP also advises other federal agencies on document security matters and produces Treasury securities; military commissions and award certificates; invitations and admission cards; and several types of identification cards, forms, and other special security documents for government agencies. BEP’s research and development efforts focus on the continued use of automation in the production process and counterfeit deterrent technologies for use in security documents, especially United States currency. With production facilities in Washington, DC, and Fort Worth, Texas, the BEP is the largest producer of government security documents in the United States.

Leonard R. Olijar became the Director of the Bureau of Engraving and Printing (BEP) in May 2015, after serving as its deputy director from 2012 to 2014.

By **YVONNE JOHNSON**, APG News
Sources: <http://moneyfactory.gov/>; www.wikipedia.org

WORD OF THE WEEK

Ubiquitous

Pronounced: yoo-BIK-wi-tuh s

Part of Speech: Adjective

Definition:

Existing or [seemingly] being everywhere at the same time; constantly encountered; widespread

Use:

- McDonalds has a ubiquitous presence in the world.
- The company plan to expand sales nationally, will make its product ubiquitous.
- On commuter trains, the ubiquitous cell phone, has so replaced idle conversation that those without one typically draw furtive glances from their traveling companions.

By **YVONNE JOHNSON**, APG News
Sources: www.merriam-webster.com/; www.dictionary.com



Consortium to promote diversity in STEM fields

Continued from Page B1

STEM, research development.

“This campus tour will be the first of many to demonstrate to our DOD partners and advocates the good science stemming from our campuses,” said Michael Hester, president and CEO of the consortium. “This tour gives us a chance to identify new research opportunities of interest to the DOD, educate our members on ways to take full advantage of the procurement vehicle provided by the Consortium and build trusted relationships.”

ECBC Director Dr. Joseph Corriveau; retired ECBC scientist Dr. Jay Valdes; and newly appointed Director of ECBC’s Research and Technology Directorate, Dr. Eric Moore, spent a day at the University of the District of Columbia, meeting with faculty from three consortium members – UDC, Morgan State University and Howard University – as well as private-sector partners who support the program.

ECBC is taking a hands-on approach in developing the next generation of Army scientists, engineers and researchers by working directly with universities in the consortium. Valdes was the senior technologist for biotechnology at ECBC when the program was conceived a few years ago and although he retired as the consortium was officially formed in 2014, he enlisted the support of Corriveau, who has championed the cause.

“For proposals that are funded, students have an opportunity to participate in research that will impact national security,” Corriveau said to the audience. “For faculty, they have an opportunity to access funds to acquire the equipment they need to carry out important research.”

“ECBC is seeking greater diversity of ideas. We use the consortium so we can go after these good ideas to solve our nation’s problems. Everybody wins.”

Corriveau has been actively involved in the development and planning of the consortium, and due to his influence ECBC is taking the lead among government agencies by being the first to sponsor the program. “It’s important that ECBC and others are actively recruiting fresh talent with imagination, who want



U.S. Army photo

Dr. Joseph Corriveau, Edgewood Chemical Biological Center director, said “It’s important that ECBC and others are actively recruiting fresh talent with imagination, who want to roll up their sleeves and get to work.” ECBC is taking a hands-on approach in developing the next generation of Army scientists, engineers and researchers by working directly with minority serving institutions in the MSI Consortium.

to roll up their sleeves and get to work,” Corriveau said.

The first research projects were awarded in late 2014. More than 40 institutions throughout the country are involved, including Historically Black Colleges and Universities, Hispanic Serving Institutions, and Tribal Colleges. Consortium members say that government research opportunities usually go to larger universities such as Michigan State, or other schools which have a track record of receiving research grants such as MIT, providing those schools with millions of dollars in research funding.

Minority serving institutions are often overlooked for research opportunities. Two to four percent of government research dollars are awarded to MSIs, Hester said, and those are often smaller contracts that don’t provide the funding that could upgrade or improve a university’s laboratories, for example.

“Our schools are often left out of the conversation and not even invited to the table,” said Ronald Mason, Ph.D., pres-

ident of UDC, who thanked Corriveau and other consortium members for opening the doors of opportunity. “With this consortium, we now have our toe in the door, and we hope to open it wider and wider. We have the brains and we know we can do the work that our nation needs us to do.”

Moore, who is a graduate of two minority serving institutions, Tennessee’s Fisk University and Meharry Medical School, lauded the program’s ability to tap into the wealth of talent resources found at MSIs.

“As a graduate of minority serving institutions, I know first-hand that MSIs have some of the brightest and most capable science, math and engineering students in the country,” he said. “If we can draw on their knowledge, skills and capabilities, we can develop new models to conduct science that create innovation and collaboration in a multidisciplinary approach.”

Membership in the consortium has not only been helpful to the institutions

overall, but to the actual faculty who are leading research programs at the schools.

“I spend lots of time in the lab, but I need to know what researchers at other institutions are working on and be able to share what I’m working on,” said Rosie Sneed, Ph.D., Doctor of Veterinary Medicine, who has been in the biology program at the UDC Division of Science and Mathematics for 40 years.

Corriveau, Valdes and Moore listened to several presentations from each school on current research projects that are applicable to the Army’s mission, such as advances in protective clothing and chemical sensors, all designed to improve the warfighter’s capacity in the field. All projects under evaluation must correlate with the major functional research areas of the Department of Defense and the Army. Representatives from ECBC will visit several other schools in the consortium as part of the tour in the coming weeks.

“We all knew the DOD had contracts and funding,” said Pamela Clarke, program manager in the Office of Research Development at Howard University. “We just didn’t know how to find out about those contracts so we could position ourselves to compete for those dollars. These campus tours will help us find out what the DOD is seeking and how we can tailor our research efforts to their needs. I applaud ECBC and their role in supporting the MSI Consortium.”

The tour is an opportunity for institutions that are part of the consortium to receive feedback from researchers within the Army, academia, and industry to better prepare and develop a proposal addressing identified DOD investment areas. The schools will then need to submit white papers in support of specific Army research categories. More than one project can be accepted by ECBC and schools in the Consortium can collaborate with each other on a project if they have similar research efforts already under way. Winning projects may be funded by ECBC under a cooperative agreement.

For more information about ECBC, visit <http://www.ecbc.army.mil/>.

Did You Know ?

World War I Hispanic recipients of the Medal of Honor and the Distinguished Service Cross both hailed from Texas.

Pvt. Marcelino Serna was an undocumented Mexican immigrant who joined the United States Army and became the most decorated Soldier from Texas in World War I. Serna was the first Hispanic to be awarded the Distinguished Service Cross. He joined the Army after the U.S. declared war on Germany in 1917. After basics, he was sent to Europe, but when the Army realized he was a Mexican National, he was offered a discharge. Serna refused it, preferring to stay with his buddies. On Sept. 12, 1918, while serving with Company B, 355th Infantry Regiment, 89th Division during the Battle of St. Mihiel in France, Serna wounded a German sniper and then followed him to a trench where Serna deployed hand grenades, killing 26 enemy soldiers and capturing 24. Serna was wounded by sniper fire, four days before the Armistice. Gen. John J. Pershing, Commander-in-Chief of the American Expeditionary Forces, pinned the Distinguished Service Cross on his chest while he was recovering from his wounds in the hospital. In May 1919, Serna was discharged from the Army and settled in the Fort Bliss area where he remained the rest of his life. In 1960, he retired as a plumber from the William Beaumont Hospital in El Paso, and in 1973, the Marcos V. Armijo VFW Post 2753 honored Serna with a 40-year pin for continuous membership. Serna died Feb. 29, 1992, at the age of 95. He is buried at Fort Bliss National Cemetery.

David Bennes Barkley, also known as David B. Barkeley Cantu, was a U.S. Army private who posthumously received the Medal of Honor for his heroic actions during World War I in France. A native of Laredo, Texas, he enlisted in the Army during World War I, using his Mexican-American father’s surname of ‘Barkley’ to avoid being segregated into a non-combat unit.

While serving as a private with Company A, 356th Infantry, 89th Division in France, he volunteered to swim across the Meuse River to gather

information about troop strength and deployments behind enemy lines. He and a sergeant successfully gathered the needed information, but while returning, Barkley was “seized with cramps and drowned.” The sergeant survived to bring the information to the unit.

Barkley was posthumously awarded the Medal of Honor for his actions. He was one of three Texans awarded the medal during World War I. He was also awarded the French Croix de Guerre, and Italy’s Croce al Merito di Guerra or War Merit Cross.

Barkley lay in state at the Alamo, only the second person to receive this honor, and was buried at San Antonio National Cemetery.

Posthumous honors

In 1921, an elementary school in San Antonio, Texas, was named in his honor and on Jan. 10, 1941, the former Army installation, Camp Barkeley, near Abilene, Texas, was also named for him. A clerical error resulted in the discrepancy in spelling. The David Barkley Cantu Memorial Chapel at Laredo Community College was named in his honor. And in 2002, a memorial honoring the 41 Hispanic recipients of the Medal of Honor was built in Laredo on the David B. Barkley Plaza which features a bronze statue of Barkley and an American flag measuring 100 feet by 50 feet on a 308-foot-high pole making it the tallest flagpole in the United States.

By **YVONNE JOHNSON**, APG News

Sources: www.wikipedia.org; <http://epcc.libguides.com>; <http://www.homeofheroes.com>



Exchange program to reward academic excellence for 2016-17 school year

AAFES

Military students can turn good grades into rewards-and a chance at a \$2,000 gift card with the Army & Air Force Exchange Service’s You Made the Grade program. Within the program, first- through 12th-grade students who maintain a B average or better are eligible to receive a coupon booklet filled with free offers and discounts from the Exchange.

“For 16 years, the Exchange has been honored to reward military students who make it their mission to succeed in the classroom through the You Made the Grade program” said Air Force Chief Master Sgt. Sean Applegate, Exchange senior enlisted advisor.

“Service members’ children face unique challenges, including making multiple moves during their academic careers,” Applegate said, noting the Department of Defense Education Activity reports that most military children move six to nine times before finishing high school. “These students deserve to be recognized for their achievements, and the Exchange is happy to thank them for a job well done.”

The You Made the Grade coupon booklet features new coupons for the 2016-17 school year, including offers for free food such as a Burrito Supreme or Taco

Supreme from Taco Bell; a Chicken Po’Boy at Popeyes; and a bacon double cheeseburger and small fry from Burger King.

Students who make the grade will also score at Snack Avenue with a free fountain drink, Yeti beverage, frozen drink or iced tea; free roller-grill hot dog, Tornado or Rollerbite; and complimentary 14-ounce Crystal Cool Cow milk.

The program helps students head to class in style with coupons for a free haircut, 10 percent off footwear and \$5 off Under Armour apparel. All offers are valid through July 31, 2017.

The booklet includes an entry form for the You Made the Grade semiannual sweepstakes. Scholars can enter to win Exchange gift cards worth \$2,000, \$1,500 or \$500. Entries can be submitted twice a year, with drawings typically held in June and December. Students - including those who are home schooled - can receive a You Made the Grade coupon booklet by presenting a valid military I.D. and proof of an overall B average at their nearest Exchange customer service area. Eligible students can pick up one booklet for each qualifying report card.

For more information about the Exchange You Made the Grade program, check with your local Exchange store manager.