



APG NEWS

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

www.TeamAPG.com

THURSDAY, FEBRUARY 18, 2016

Vol. 60, No. 7

Team CBRNE marks end of first campaign in Colorado

Pueblo Chemical Agent Destruction program destroys 560 chemical weapon items

PEO ACWA

A multi-agency team of organizations headquartered at the Chemical, Biological, Radiological, Nuclear and Explosives, or CBRNE, Center of Excellence on APG South (Edgewood) marked the conclusion of the first campaign to destroy the chemical weapons stockpile at the U.S. Army Pueblo Chemical Depot in Colorado, Feb. 11.

The Pueblo Chemical Agent-Destruction Pilot Plant Explosive Destruction System, known as PCAPP EDS, successfully concluded its first campaign, destroying 560 previously overpacked munitions.

The team, which included the Program Executive Office, Assembled Chemical Weapons Alternatives, the Joint Program Executive Office, Chemical and Biological Defense, the U.S. Army Chemical Materials

See PEO ACWA, page 18

inside

SERVICES

A new dry cleaning drop-off and pick-up service is now available at the APG South Express.

New | 4

TENANT NEWS

ARL reorganizes its Human Research and Engineering Directorate to better align with Army needs.

Working | 5

HEALTH

The CDC answers common questions about the Zika virus.

Common | 8

ARMY NEWS

The FY17 budget gives Soldiers a raise, puts focus on readiness.

FY17 | 11

online

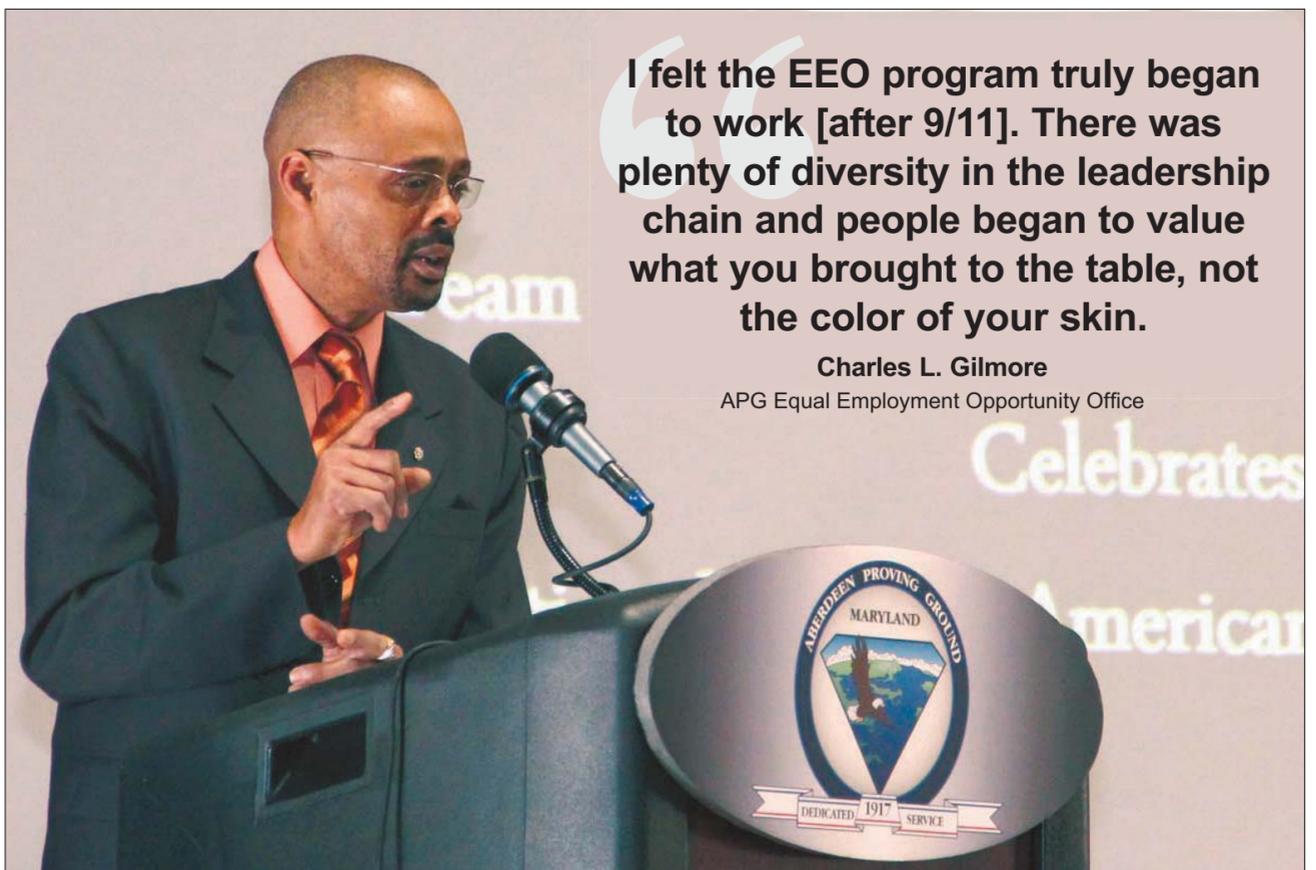
www.TeamAPG.com/APGNews

facebook.com/APGMd

twitter.com/USAGAPG

flickr.com/photos/usagapg/

ICE system http://ice.disa.mil/ Facebook, http://on.fb.me/HzQlwo



I felt the EEO program truly began to work [after 9/11]. There was plenty of diversity in the leadership chain and people began to value what you brought to the table, not the color of your skin.

Charles L. Gilmore

APG Equal Employment Opportunity Office

Photo by Molly Blossie, APG News

Retired Sgt. Maj. Charles L. Gilmore, now a diversity and leadership specialist with the APG Equal Employment Opportunity Office, speaks about racism and changes in Army and American culture during the installation's annual African-American and Black History Month observance at the APG South (Edgewood) Stark Recreation Center, Feb. 11.

APG celebrates diversity

By STACY SMITH
APG News

Team APG celebrated National African-American and Black History Month during the installation's annual observance at the APG South (Edgewood) Stark Recreation Center, Feb. 11.

In keeping with the program theme, "Hallowed Grounds: Sites of African-American Memory," retired Sgt. Maj. Charles L. Gilmore,

diversity and leadership specialist at the APG Equal Employment Opportunity office, commonly known as EEO, spoke about the racism he personally experienced while rising through the Army ranks in the 1970s and 1980s.

Gilmore served nearly 28 years in the U.S. Army Signal Corps and, according to the event organizer, is respected as an African-American Soldier who personally wit-

nessed the Civil Rights Movement. He said after completing basic training at Fort Gordon, Georgia, he watched as fellow African-American Soldiers were "ridiculed and looked over because of the color of one's skin," adding that "back then, those were the rules."

Gilmore recounted an incident during which his commander displayed overt rac-

See OBSERVANCE, page 17

CECOM welcomes new CSM



Story and photos by GREG MAHALL
CECOM

The U.S. Army Communications-Electronics Command, known as CECOM, welcomed its new Command Sergeant Major, or CSM, Matthew D. McCoy to Aberdeen Proving Ground during a change of responsibility ceremony on APG North (Aberdeen), Feb. 16.

McCoy arrives from his most recent assignment as the garrison CSM for the United States Army Garrison Humphreys, South

See MCCOY, page 17

New CECOM Command Sgt. Major Matthew D. McCoy completes the passing of the command colors, returning the flag to Sgt. 1st Class Joseph Scalies, during a change of responsibility ceremony at Aberdeen Proving Ground, Feb. 16. McCoy received the colors from APG Senior Commander and CECOM Commanding General Maj. Gen. Bruce T. Crawford, right.

CYSS dedicates full day to training

Story and photos by RACHEL PONDER
APG News

Safety, food preparation, customer service, first aid and educational activities were topics of discussion during the first Child, Youth and School Services, or CYSS, training day held at the APG North (Aberdeen) recreation center, Feb. 12.

About 200 staff members attended the day-long event, including employees from APG North and APG South (Edgewood) child devel-

See CYSS, page 18

From left, Samantha Stonebraker and Ieshia Clarke, child youth program assistants from the APG South (Edgewood) child development center, create collages as part of a breakout session teaching participants the difference between teacher-directed art and child-directed art, during the first Child, Youth and School Services training day held at the recreation center, Feb. 12.



index

By the Numb#rs | 3
APG History | 13

Mark Your Calendar | 6
Crossword | 16

All Things Maryland | 8
Did You Know? | 18

MWR Events | 10
Snapshot | 19

STREET TALK

If you could choose to have one super-human ability, what would it be?

"The ability to read minds. We're in a new age [and] nowadays people tend to say things other than the truth."



Staff Sgt. Jesse Sablan
20th CBRNE Command

"Telepathy, to figure out if we could connect the same thoughts to help each other. Instead of talking, we just look at each other to communicate our thoughts."



1st Lt. Leslie Silva
Army Public Health Center

"The power to heal. There's a lot of people out there that need healing and can't afford medicine."



Harry Walker
Retired military

"I would probably go with the ability to freeze time. You could pause time and do whatever you needed."

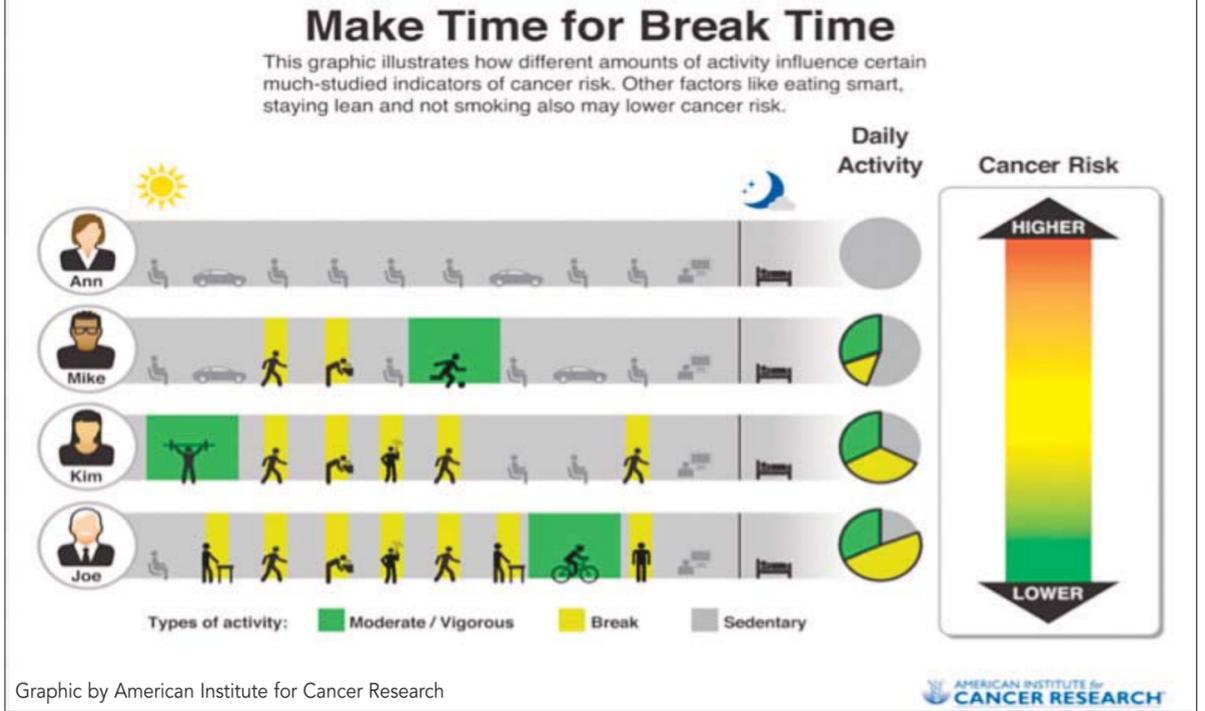


Cadet James Newlin
University of Delaware ROTC

"Mind control. You could do a lot with it; the possibility is really limitless."



Cadet Jesse Robbins
University of Delaware ROTC



Stand up for your health

Human Performance Resource Center

You've heard it all before: You need to get at least 30 minutes of moderate to intense exercise each day to help prevent chronic disease and improve your health. But what do you do for the other 23.5 hours?

If the answer is sitting (or sleeping), then you might have what is known as "sitting disease."

It sounds like a joke. Unfortunately, it's not. If your typical day is spent sitting at a desk, sitting while commuting, sitting down for dinner and TV afterwards, and then going to bed, you're putting yourself at a greater risk for chronic diseases such as heart disease, diabetes, high blood pressure, and even cancer.

Studies consistently show that the more time you spend sitting or lying down, the greater your risk for chronic disease and early death. The simple act of standing up has even more physiological benefits when compared to sitting. The "active couch potato" phenomenon shows that even people who are relatively fit and meet the minimum requirements for daily exercise still exhibit risk factors for metabolic syndrome and other chronic diseases as sitting time increases.

Sure, you might take the dog out for his morning walk, or maybe you even did PT before work; but the truth is that the more time you spend sitting the rest of the day, the greater the risk for disease.

Even those who engage in moderate amounts of exercise

and physical activity are still at risk for cancer if 12 or more hours in the rest of their day is spent seated or lying down. The risk gets lower as people move more and sit less during the day.

Time is often a major reason that people say they don't get enough exercise or physical activity during their day. It's true that work can get busy, but it might just take a little creativity to turn it into a productive work AND physically active day. Here are some tips to help get you up and out of your fancy ergonomic chair.

- Bike or walk to work if possible.
- Take the stairs instead of the elevator (or at least partway if you work on a high-up floor).
- Turn your meeting into a walking meeting.
- Walk down the hall to give someone a message rather than email or call them.
- Stand up while talking on the phone.
- Don't eat lunch at your desk; walk to the cafeteria or a nearby park, even if you packed your lunch.
- Find out if you can get a standing or walking desk at work.
- Buy a pedometer to track how many steps you take per day.

Doing what you can to increase the amount of time you spend standing, exercising and being physically active will improve your chances of a longer and healthier life.

Police & Fire BLOTTER

The following statistics were provided by the APG Directorate of Emergency Services, recapping the fire, medic and police responses, issued citations and arrests made during the month of January. *****Due to a change in dispatch systems, the January recap represents the data available and just a portion of the service responses and citations last month.*****

**Mutual Aid often involves incidents off post in the local community.*

<p>Calls for Service</p> <p>FIRE: Unknown***</p> <ul style="list-style-type: none"> • Fire Alarms – 48 • Mutual Aid* – 22 • Watercraft Emergencies – 0 • Fire Drills – 13 <p>MEDIC: Unknown***</p> <ul style="list-style-type: none"> • Mutual Aid* – 0 • Chest Pains – 5 • Breathing Problems – 1 <p>POLICE: Unknown***</p> <ul style="list-style-type: none"> • Alarm Activation – 60 • 911 Hang-ups – 19 	<ul style="list-style-type: none"> • Traffic Accidents – 14 • Active Warrants – 11 <p>Citations</p> <p>TOTAL: 191</p> <ul style="list-style-type: none"> • Warning Citations – 108 • Non-Warning Citations – 83 <p>Arrests</p> <p>TOTAL: 18</p> <ul style="list-style-type: none"> • Traffic Related – 8 • Warrant Arrests – 8 • Domestic Related – 0 • DUI/Alcohol Related – 2 • Drug Related – 2
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

See Something

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

Provided by the INTEL DIV/DPTMS

Say Something

INSTALLATION WATCH CARD

DO OBSERVE & REPORT

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

INSTALLATION WATCH CARD

DON'T

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

Report suspicious activity immediately to APG Police!

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

Card created by APG Intel

APG NEWS

The APG News, a civilian enterprise newspaper, is an authorized publication for members of the U.S. Army. Contents of the APG News are not necessarily official views of, or endorsed by, the U.S. government, Department of Defense, Department of the Army or the U.S. Army Garrison, Aberdeen Proving Ground. The newspaper is published weekly by the APG Public Affairs Office, ATTN: IMAP-PA, Building 305, APG, MD 21005-5001. Printed circulation is 5,200.

Everything advertised in this publication shall be made available for purchase, use or patronage without regard to race, color, religion, sex, national origin, age, marital status, physical handicap, political affiliation or any other nonmerit factor of the purchaser, user or patron. If a violation or rejection of this equal opportunity policy by an advertiser is confirmed, the printer shall refuse to print advertising from that source.

Editorial content is prepared, edited and approved by the APG Public Affairs Office. The APG News is printed by The Baltimore Sun Media Group, a private firm in no way connected with the Department of the Army, under exclusive written contract with APG. The civilian printer is responsible for commercial advertising and mailing. To obtain a yearly subscription, which costs \$16, the price for weekly mailing, or for problems with incorrect mailing addresses, contact Customer Service at 139 N. Main Street, Suite 203, Bel Air, MD 21014, or call 410-838-0611. The appearance of advertising in this publication, including inserts or supplements, does not constitute endorsement by the Department of the Army or The Baltimore Sun Media Group of the products or services advertised.

For advertising matters, call The Baltimore Sun Media Group, 410-332-6300. Send articles or information for publication to the APG Public Affairs Office, Building 305, IMAP-PA, APG, MD 21005-5001; contact the Editor Amanda Rominiecki at amanda.r.rominiecki.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.

Staff

- APG Senior Commander ..Maj. Gen. Bruce T. Crawford
 APG Garrison Commander Col. James E. Davis
 Public Affairs Officer Kelly Luster
 Editor Amanda Rominiecki
 Assistant Editor..... Yvonne Johnson
 Photojournalists.....Rachel Ponder
 Stacy Smith
 Graphic Designer/Photographer Molly Blossie
 Website www.TeamAPG.com/APGNews

Community mourns loss of Harford County deputies

Staff report

Two Harford County Sheriff's Office deputies and former U.S. service members were killed in the line of duty Feb. 10.

Senior Deputy Patrick Dailey and Senior Deputy Mark Logsdon lost their lives while faithfully serving the citizens of Harford County, according to a release from the Harford County Sheriff's Office. Both men were dispatched to the Panera Bread in Abingdon and the surrounding vicinity. Dailey was shot, without warning, after approaching the suspect inside the restaurant, while Logsdon was mortally wounded after approaching the suspect in a car in a nearby parking lot, the release continued. Lifesaving measures were immediately administered to the deputies, but both later succumbed to their injuries.

"On behalf of the men and women of Aberdeen Proving Ground, I offer our deepest sympathies to the members of the Harford County Sheriff's Office and the families of the deputies killed in the line of duty," said APG Senior Commander Maj. Gen. Bruce T. Crawford in a statement to the community.

Before retiring from the Army, Logsdon served as a military police officer, while Dailey, a retired U.S. Marine Corps sergeant, served alongside several APG personnel as a volunteer firefighter at the Joppa Magnolia Volunteer Fire Company.

"Please know we all stand beside you during this time of grieving. Our thoughts and prayers are with all of those affected by this terrible tragedy. These heroes are part of a brotherhood of dedicated professionals who stand in harm's way in order to protect our communities," Crawford said.

"They were devoted to their profession and the public they served. Moreover, they were fathers, brothers, children, neighbors, and colleagues-in short, they were family. Together, with all emergency first responders and pro-

ectors of our communities, we mourn their loss and hold their sacrifice dear."

Memorials, including flowers, cards, candles, balloons and other tokens have been left at the Panera Bread in Abingdon and at the Harford County Sheriff's Office Southern Precinct in Edgewood in honor of the two fallen deputies.

Visitation for Logsdon is Thursday and Friday, Feb. 18-19 at the Mountain Christian Church in Joppa from 2 to 9 p.m. A funeral service will be held for Logsdon at the Harford Community College APG Federal Credit Union Arena Saturday, Feb. 20 starting at 10 a.m.

Visitation for Dailey was also held at the Mountain Christian Church, Feb. 15-16. A funeral service was held for Dailey at the same church Wednesday, Feb. 17.

Mark F. Logsdon

Senior Deputy First Class Mark F. Logsdon, age 43 from Fallston, beloved husband of Jennifer R. (Schott) Logsdon was killed suddenly in the line of duty on Feb. 10. Mark is the son of John Patrick and Debra Ann (Cook) Logsdon. He is survived by his wife, Jennifer; son, Darin; daughters, Bethany and Megan, and an unborn grandchild due in April. Mark is also survived by his sister; Riki, and numerous aunts, uncles and cousins.

A 16-year veteran of the Harford County Sheriff's Office and 12-year veteran of the U.S. Army gave Mark the dignity and dedication to service he showed everyone in his life.

He loved his family. He was an avid golfer, enjoyed playing cards and playing with his doxies (Rudy and Paisley). He was always ready to take a long weekend cruise to the islands or cheer



Logsdon



Photo courtesy of Harford County Sheriff's Office

Cards, flowers and balloons adorn a Harford County Sheriff vehicle outside the Harford County Sheriff's Office Southern Precinct in Edgewood, Feb. 11, after Senior Deputies Mark F. Logsdon and Patrick B. Dailey were killed in the line of duty Feb. 10.

the Seattle Seahawks to victory.

Patrick B. Dailey

Patrick "Pat" B. Dailey, age 52, of Joppa passed away on Feb. 10, 2016. Born in Baltimore, he was the son of Joan Alma (Thaden) Dailey of Joppa and the late Michael Francis Dailey. A veteran of the U.S. Marines where he gained the rank of sergeant, he served as a Senior Deputy for the Harford County Sheriff's Office. He was a history reader and actively participated in WWII, Civil War, and Revolutionary War Reenactments.

He enjoyed wine tasting, attending Irish and German festivals, collecting

police patches and badges and setting up his train garden at Christmas. He was an avid kayaker and hiker, hiking in Gettysburg, Jerusalem Mill and Codorus State Park. He was active with his children in the Young Marines and the Jarrettsville VFW.

In addition to his mother, Senior Deputy Dailey is survived by his sons, Bryan P. Dailey and Tyler S. Dailey of Joppa; brother, Michael P. Dailey of Westminster; sisters, Linda M. Kilduff of Edgewood and Kathleen T. Fitzgerald of Joppa.

Various local businesses and franchises, community groups and the Harford County Sheriff's Office have begun collecting donations in honor of the fallen deputies and to assist their families.

In lieu of flowers, the deputies' families directed contributions to the Wounded Warrior Project and the Toys for Tots Foundation.



Dailey

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

New dry cleaning service on APG South

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

A new dry cleaning drop-off and pick-up service has joined several other Army and Air Force Exchange Service-based improvements at the APG South (Edgewood) Express in recent months.

Jun Cleaners, located in the APG Exchange on APG North (Aberdeen) will pick up dry cleaning on Tuesdays and Fridays for customers who live and work on APG South.

Fort Meade Consolidated Exchange general manager Michele H. Weisshaar said the service was implemented at the APG South Express to make dry cleaning pick up more convenient for customers.

"We are trying to provide an additional service to the Edgewood community," she said.

Express Manager Jannelle Santiago said the service, which started in December, is gaining popularity.

"If you drop off your clothes by Tuesday, you can pick up your clothes on Friday, if you drop off your clothes by Friday you can pick up your clothes by Tuesday [of next week]," she said.

Customers can fill out a ticket and place

clothing in laundry bags at the self-service table at the front of the store, then proceed to the cash register to drop off the clothing with an Express associate.

On the day of pick-up, customers also pay and retrieve their items with an associate at the Express cash register. Santiago added that pick-up days could change in the future to better meet customer needs.

Other new APG South AAFES services include a mobile food truck operated by Taco Rico with stops across APG South, while a barbershop is in the works. AAFES also noted that Military Clothing Sales, tactical and hunting gear, and Byrrd Military Books are available for purchase at the Express.

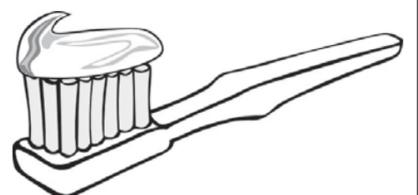
Items not carried at the APG South Express can be transferred to the store from the APG North or Fort Meade Exchange upon customer request.

The APG South Express is located in Bldg. E4010, on the corner of Magnolia and Wise roads. Store hours are Monday-Friday, 6:30 a.m. to 6 p.m., and Saturday 10:30 a.m. to 4:30 p.m.

For more information call 410-671-7891 or email Santiagojan@aafes.com.



Customer Gary Webb, from the garrison's Directorate of Public Works, picks up dry cleaning from manager Jannelle Santiago at the APG South (Edgewood) Express Feb. 10.



Soldier Tooth to the rescue

Dental Hygienist Allison Schmider and Sgt. Tracy Glover from the U.S. Army Dental Command show children how to properly brush their teeth during a visit to the APG North (Aberdeen) Child Development Center, Feb. 10.

The presentation included information about how cavities form, tips on how to eat right for optimal dental health and take-home goodie bags. Children also had their picture taken with Glover, who was dressed as 'Soldier Tooth' and carried a giant toothbrush.

Photo by Stacy Smith

Monthly ceremony honors APG retirees

By **RACHEL PONDER**
APG News

Individuals assigned to APG who are nearing retirement from civil or military service have the option of participating in the monthly installation retirement ceremony as the culmination to their service to the nation.



Waldon

Every month, retirement ceremony coordinator Lisa M. Waldon, from the garrison's Directorate of Plans, Training, Mobilization, and Security, or DPTMS, receives a list of civilians who will be retiring soon from the APG Civilian Personnel Advisory Center. Military personnel contact Waldon directly after they are counseled by the Military Retirement Services Office staff.

Waldon then contacts eligible personnel approximately 45 days prior to the retirement ceremony. Participating in a retirement ceremony is completely voluntary.

"The majority of the people that are on the list say, 'I want to go out the same way I came in: quietly,'" Waldon said.

Those who wish to participate in the retirement ceremony are responsible for filling out a questionnaire, notifying their supervisor and getting a professional photo taken at the APG photo lab, she said. Military personnel may also submit an official military photo.

Once eligible participants indicate that they wish to participate in the retirement ceremony, Waldon will contact the retiree's supervisor to acquire necessary documents like certificates of retirement and appreciation and any awards they will receive during the ceremony.

To prepare for the ceremony, the retiree also writes a short biography that will appear in the program, highlighting their previous duty stations, awards, career accomplishments and retirement plans. The write-up is then edited by DPTMS and the Garrison Public Affairs Office before appearing in the program.

About a week before the retirement ceremony, an installation-wide email is



Retirement host Col. John V. Teyhen III, deputy director of Army Public Health Center (Provisional) presents the Department of the Army Certificate of Retirement to 1st Sgt. Marlon D. Ames, from the U.S. Army Communications-Electronics Command during an installation Retirement Ceremony at the Ball Conference Center on APG North (Aberdeen) in October 2015.

Photo by Stacy Smith, APG News

sent to personnel as a reminder. However, Waldon said it is up to the retiree to personally invite their family, friends and coworkers.

"We tell the retirees, it's your ceremony," Waldon said. "The audience is only going to be as large as the number of people you invite."

Various garrison support staff ensure the event goes off without a hitch; Rodney Shelby and Anthony Dorsey from DPTMS set up flag displays, verify certificates are accurate and in proper order, and set up light refreshments for retirees and guests. Waldon briefs retirees, the band leader and chaplain about the schedule of events. DPTMS Audio Visual staff provide sound, videography and photography support, while the

APG News provides additional news and photography coverage. Celestine Beckett, the garrison's Human Resource Directorate leader and workforce development manager, serves as the narrator.

During the ceremony, retirees receive certificates of appreciation and retirement. Military personnel are presented with a U.S. flag and pin. Spouses who accompany retirees on stage will also receive a certificate of appreciation. To close the ceremony, the host will give a short speech, offering congratulations. Occasionally the host will invite the retirees to speak.

Waldon said she finds coordinating the retirement ceremonies "rewarding."

"I feel like I know them [the retirees] by the time we get to the retirement

ceremony, because I have been working with them for 45 days," she said. "These people really appreciate what you are doing for them, and it is special to their families."

About four weeks after the ceremony, retirees will receive DVD of the official ceremony and a CD with photos from the event, at no cost to the retiree.

The APG Garrison hosts installation retirement ceremonies on the last Thursday of each month, except November, and the first Thursday in December, at Dickson Hall, also known as the Ball Conference Center.

For more information about retirement ceremonies contact Waldon at lisa.m.waldon.civ@mail.mil, or call 410-278-4353.



Photo by Ron Carty, ARL

The U.S. Army Research Laboratory's Human Research and Engineering Directorate recently reorganized to align its research efforts with ARL's technical strategy and S&T campaign goals and to better support the changing Army missions. The reorganization, also known as the "transformation," was announced at an all-hands meeting in October 2015. The meeting brought together employees from Aberdeen Proving Ground, Orlando, Florida, California, and all HRED field offices throughout the country.

Working to better meet Army needs

Human Research and Engineering Directorate realigns efforts to match ARL technical strategy and S&T goals

By **JOYCE CONANT**
Army Research Laboratory

The U.S. Army Research Laboratory's Human Research and Engineering Directorate recently reorganized to align its research efforts with ARL's technical strategy and science and technology (S&T) campaign goals and to better support the changing Army missions. The reorganization, also known as the "transformation," was announced at an all-hands meeting in October 2015. The meeting brought together employees from Aberdeen Proving Ground, Orlando, Florida, California, and all HRED field offices throughout the country.

As the Army changes to meet the needs of the future, so does ARL. The Army is undergoing many changes; for example, the pivot to the Pacific while maintaining focus in Southwest Asia and new cyber challenges. ARL is addressing these by adjusting how it conducts business and how it organizes its programs. ARL now manages its efforts by campaigns. These strategic Army and ARL changes have impacted how HRED must conduct their

research programs.

HRED conducts research in several campaigns, especially the Human Sciences Campaign, Assessment and Analysis, and Computational Science. HRED is also the proponent for Army Human Systems Integration (formerly known as MAN-PRINT), which addresses human issues within Army systems' acquisition. These missions require the directorate to be agile and flexible. Over time, changes in the Army and ARL have created the need to re-examine how HRED is postured and position the directorate to enhance internal synergies and redistribute experience and talent.

"With this reorganization, HRED will be able to collaborate and create stronger relationships throughout the ARL directorates and also with our industry and academia partners. This will help us be postured to innovate for the future and meet customer needs today," said Dr. Laurel Allender, HRED's director.

A transformation team made up of employees throughout HRED, to include the field offices, was established to look at business practices and the HRED environment and make recommendations to leadership. The 24-person team looked at future planning needs, conducted branch interviews, and conducted open talk lines to ask for suggestions and gather ideas to move the directorate forward.

Jody Wojciechowski, a transformation-team member who works at APG, explained the importance of the restructure and its progress.

"HRED needed to align the human capital with the changing needs of the Army while maintaining the high-quality work that is necessary to advocate for the Soldier," said Wojciechowski. "And, new research opportunities and changing business processes drove the realignment of the competencies to foster collaboration

and cross-organizational projects."

Another transformation team member was Carol Wilson, who works at Redstone Arsenal, Ala. She indicated HRED's diverse geographic locations enable researchers to be located near other organizations of the Army and that this allows for better customer support. She said this allows them to "consistently provide expertise directly to the Soldier" and provides them the opportunity to "influence the research initiatives based on the Soldier's current and future needs."

"The transformation allows us to integrate the concepts from research and the applied domains to improve the Human Systems Integration," said Wilson. "The transformation integrates the HRED field elements and the researchers located in Aberdeen and Orlando to serve the Soldier and thus strengthening the HSI mission."

Diane Ungvarsky, a researcher at the Fort Leavenworth field element in Kansas, shared her insight: The reorganization feels like a natural fit and will add strength to the organization.

"I have always been a 'remote' HREDer—stationed at the Fort Hood [Texas] and Fort Leavenworth field elements plus a FAST [Field Assistance in Science and Technology] tour in Germany. That put me in the old division that was mostly field-element personnel. Often we didn't know what the folks at APG were doing and they didn't understand what it was like to be out in a field element," Ungvarsky recalled.

"The transformed structure breaks organizational and geographic barriers. It will serve as a forcing function to forge new relationships. That means that the strengths of each of the old divisions can be more easily brought to bear for the HRED S&T campaigns. It has not been too difficult of a transition for me because my field element at Fort Leavenworth has

always had a cross-organizational focus," Ungvarsky continued. "My new branch is mostly a melding of my old branch and a research-focused branch located at APG. I have worked with some of my new branch mates for years on different programs, so the fit feels very natural for me. But for some of the field elements, it's more of an adjustment. I think once the growing pains subside, we'll all see the value of the transformation."

HRED Director Allender said she is optimistic this new organization is better prepared to meet the new challenges brought to them by the Army and is looking forward to great things from HRED.

"It is a big change and will take time to work out all the issues, but I believe that we have positioned ourselves to grow and be more adaptable to the needs of the Army. We are moving forward together!" said Allender.

HRED's new organization comprises three divisions

The Future Soldier Technology Division is primarily located at APG and is where most of the basic research and some of the applied-research program is conducted.

The Soldier Battlefield Integration Division executes more of the applied mission and most of the HSI mission and includes much of the distributed, remote field elements.

The Advanced Training and Simulation Division is primarily located in Orlando and includes some APG and a few field-element personnel. The division executes a small part of the basic research program, some applied research, and some technology development.

"This new organization allows for the best flexibility to get the job done for HRED, ARL, and the Army," said Allender.

Expeditionary networked force becoming reality, say generals

Story and photo by **DAVID VERGUN**
Army News Service

The goal of achieving an expeditionary, uninterrupted mission command network is taking shape but is still "a work in progress," said Brig. Gen. Willard M. Burlleson III.

Burlleson, director, Mission Command Center of Excellence, U.S. Army Combined Arms Center, spoke Feb. 11 at the Association of the United States Army-sponsored Hot Topics forum on Air and Missile Defense during a panel about "Networked Mission Command."

Purpose of network

Before diving into the details of what's been accomplished with the network thus far, Burlleson described the importance of the network to warfighting.

First and foremost, the network enables mission command, he said, meaning that it is the vital command and control technology piece that links leaders and Soldiers with their systems, joint forces and partners. This connectivity enables informed planning and decisions based on situational awareness across the domains of warfare.

Besides being expeditionary, the network must be robust enough to operate uninterrupted, he said, acknowledging that networks, like any systems, will not always be perfect. That's why it's important that Soldiers still be able to continue the mission without being "solely dependent on connectivity" in environments where the network is "degraded, intermittent and limited."

Network modernization

Maj. Gen. John B. Morrison Jr., commander, U.S. Army Network Enterprise Technology Command, and deputy commander, Second Army, then described the Army's network modernization effort.

To understand where the network is today, Morrison illustrated how far that

modernization has come in just a few years.

It wasn't long ago when Soldiers deploying to Southwest Asia from the U.S. or another theater had to have their computer turned in to get reimaged, he said. That occurred because tactical and strategic networks were "stove-piped," meaning that each network worked separately from other networks.

"That's no longer the case," he said. "We worked aggressively over the last year in regional cyber centers to standardize the basic capabilities provided so units moving around the world could transition from theater to theater. Now, you can deploy to any theater and plug into the network."

Morrison emphasized, "We're in the midst of probably the most comprehensive modernization effort for network modernization ever."

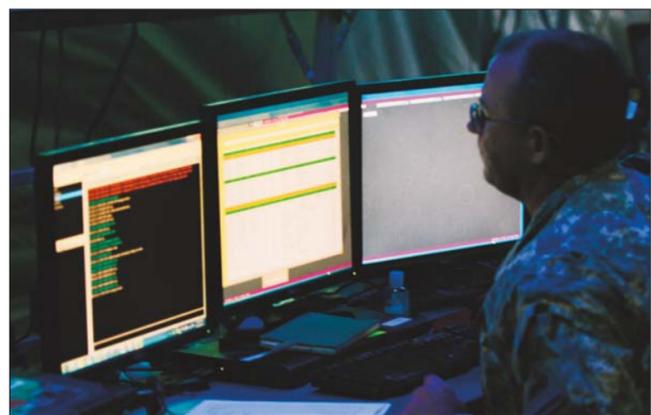
A lot of that effort, he said, is going into standing up Joint Regional Security Stacks, or JRSS, to ensure that the network communicates securely and efficiently across the joint force, he said. JRSS features common architecture, meaning software, tactics, techniques and procedures.

Four JRSSs were stood up recently in the United States and are now operational, he said. By the end of this calendar year, two more will be stood up in Europe and two in Southwest Asia. He said the effort to stand up JRSS is being done across the services, in cooperation with the Defense Information Systems Agency.

A challenge, Morrison said, is getting coalition partners to share the network. The technology is in place to do that, but the policy hasn't caught up. "This needs to be formalized quickly."

Freeing bandwidth

Morrison said network modernization is also taking place on installations across the Army. Over the last 18 months, 16 installation network systems



A Soldier at Fort Bliss participates in a network integration exercise in 2015.

have been modernized.

An example of what this modernization looks like, for example, is Fort Hood, Texas, he said. There, operators were routinely running "96 percent of the pipes," meaning using up 96 percent of the bandwidth to stream videos, pictures, text, whatever.

Now, it's down to around 10 percent," he said. This reduction in bandwidth "allows us to collapse the networks and provide capacity for everyone on a single, secure, joint infrastructure for first time."

Another aspect of network modernization, he said, is using Army personnel to engineer and install networks and upgrades, as opposed to relying on contractor support.

Challenges ahead

Morrison admitted that the Army and joint force have a ways to go to get the network where they want it to be.

"Over the past year we supported over seven named operations and in not one instance did the unit take their full network capabilities with them," he said. "Almost every instance was distributed, where a [network] portion remained back at home station and had to be connected to a footprint that was much smaller forward."

"Yet, the commander wanted the same capabilities as if he had his full staff there," he continued.

Human dimension

Brig. Gen. Timothy J. Sheriff, deputy commander, 263rd U.S. Army Air and Missile Defense Command, said the hardest piece of network modernization has to do with his own area of air and missile defense, the "human dimension."

The human dimension is a term encompassing a wide range of human involvement in the process, from getting the tactical and technical exposure at the schoolhouses to developing leaders and Soldiers to accept this new technology and employ it to its full capacity, he said.

Talent management also falls into the human dimension realm, he said. That means the right Soldiers need to be placed in the right jobs based on their skills and potential to learn.

Burlleson added that in the human dimension, "leaders must be able to thrive in situations of ambiguity and chaos where connectivity to the network may be limited or nonexistent. A lot of that can be learned through leader development."

He added that the Army has done a lot of great work thus far, but there's still a lot left to do.

MARK YOUR CALENDAR

MORE ONLINE

More events can be seen at www.TeamAPG.com

events&town halls

WEDNESDAY MARCH 23

ARMED SERVICES BLOOD PROGRAM BLOOD DRIVE

Donors – jack into the blood grid and infuse life. The Armed Services Blood Program will host a blood drive at the APG North (Aberdeen) recreation center 9 a.m. to 1 p.m. Walk-ins are welcome, but donors are encouraged to make appointments online at www.militarydonor.com. Use the sponsor code APGMD.

For more info, visit militaryblood.dod.mil.

WEDNESDAY MARCH 30

WOMEN'S HISTORY MONTH TRAINING PROGRAM

The Federal Women's Program will host a Women's History Month Training Program at Mallette Training Facility on APG North (Aberdeen), Bldg. 6008 from 8 a.m. to 4 p.m.

Registration is due March 23 by visiting <https://register.apgea.army.mil/FWP/>. Seats are limited.

meetings&conferences

ONGOING

BIBLE STUDY CLASS

The Religious Services Office hosts a new Soldier and Family Christian Fellowship Bible Study Class 6:30 p.m. to 7:30 p.m., every Tuesday at the APG North (Aberdeen) chapel. Free childcare is included. The class focuses on biblical fellowship and outreach and encouragement through prayer and is open to the entire APG community. For more information, call 410-278-4333.

health&resiliency

THURSDAY FEBRUARY 25

PREGNANCY INFO SESSION

The C4ISR Wellness Committee will host a Pregnancy Informational Session in Bldg. 6002, 3rd floor, room 114 (CERDEC Conference Room) from 11:30 a.m. to 12:30 p.m.

The session will be an overview of pregnancy, giving information and tips on different stages, actual child birth, breast feeding, and post-partum depression. Any mothers wishing to sign up for the CECOM Headquarters Nursing Mothers' Room should contact the G1 POC for more information.

The session is open to civilians, contractors and service members. All non-C4ISR employees must register by Feb. 18.

For more information, or to register, contact Tiffany Grimes at 443-861-7901 or tiffany.l.grimes.civ@mail.mil.

THURSDAY MARCH 3

NUTRITION INFO SESSION AND COOKING DEMO

The C4ISR Wellness Committee will host a Nutrition and Cooking Demo Information Session at the Myer Auditorium, Bldg. 6000, from 11:30 a.m. to 12:30 p.m.

Open to all, the session will discuss how to live a healthy lifestyle and provide tips on weight loss and preventing emotional eating. The session will end with a short cooking demonstration. C4ISR Slim Down Participants should bring their Wellness Activity Rosters for attendance credit.

For more information, contact Tiffany Grimes at 443-861-7901 or tiffany.l.grimes.civ@mail.mil.

TUESDAY MARCH 22

SLEEP AWARENESS & INFO SESSION

The C4ISR Wellness Committee will host a Sleep Awareness info session at Bldg. 6001, second floor, room 224, from 11:30 a.m. to 12:30 p.m.

The session will focus on the importance of getting a good night's sleep to achieve optimal health and to help deal with everyday stressors.

Open to civilians, contractors and service members, non-C4ISR employees must bring their CAC to gain access to the building.

For more information, contact Tiffany Grimes at 443-861-7901 or tiffany.l.grimes.civ@mail.mil.

THURSDAY MARCH 24

FIRST AID TRAINING CLASS *REGISTRATION REQUIRED*

The C4ISR Wellness Committee will host a registration-required First Aid Training Class taught by the APG Fire Department at Bldg. 6001, second floor, room 224.

The class will teach individuals how to react to a variety of medical events, as well as traumatic injuries. They will also discuss the public, as well as Emergency Medical System on APG, as well as your access to it. This course meets all the American Heart Association 2010 Guidelines for First Aid certification. Participants will receive a 2 year certification from the American Safety and Health Institute for attending the course.

The class is open to C4ISR employees, con-

tractors and service members. Registration is required and there is limited seating. Interested individuals must register by March 14.

For more information, or to register, contact Tiffany Grimes at 443-861-7901 or tiffany.l.grimes.civ@mail.mil.

THROUGH MAY

AMERICAN SIGN LANGUAGE CLASS

An American Sign Language Class will be held 11:30 a.m. to 12:30 p.m. each Tuesday, Feb. 9 through May 3, in the conference room at Bldg. E4301 in APG South (Edgewood). The class is free and consists of basic to advanced level sign language. The textbook, "ABC, A Basic Course in American Sign Language," is required and can be purchased on <http://www.amazon.com>.

To register, for directions, or more information, contact instructors Randy Weber at 410-436-8546, randy.k.weber.civ@mail.mil or Matt Rappaport at 410-436-4096, matthew.rappaport.ctr@mail.mil.

THROUGH MID-2016

ARMY WELLNESS CENTER RELOCATED

As a result of ongoing renovations to Kirk U.S. Army Health Clinic, the APG Army Wellness Center has relocated to the trailers directly across from the main KUSAHC building, near the Veterinary Treatment Facility.

For more information, contact the wellness center at 410-306-1024.

THROUGH MID-2016

KUSAHC OCCUPATIONAL HEALTH RELOCATED

As a result of ongoing renovations to Kirk U.S. Army Health Clinic, occupational health services have relocated to the trailers directly across from the main KUSAHC building, near the Veterinary Treatment Facility.

For more information, contact occupational services at 410-278-1912/1913.

ONGOING

WEAR BLUE: RUN TO REMEMBER HARFORD COUNTY/ APG

A Harford County/APG-based Wear Blue: Run to Remember community has been established, with ongoing meets the second Saturday of every month 8:30 a.m. at the Maryland and Pennsylvania Heritage Trail in Fallston.

Wear Blue: Run to Remember communities run, jog and walk in honor of the nation's fallen, fighting and families.

Those interested in participating in the run should meet at the Annie's Playground – Pavilion at 864 Smith Lane, Fallston, Maryland. Pets are allowed, but park rules do not allow retractable leashes.

All ability levels are welcome. Participants are strongly encouraged to wear blue.

Upcoming dates include:

- March 12
- April 9

For more information, contact Robin Bruns at 910-987-6764 or brunrsrd@yahoo.com.

ONGOING

2016 CPR & AED TRAINING CLASS SCHEDULE

The APG Directorate of Emergency Services has announced the CPR/AED class schedule for 2016. Classes are open to the entire APG community.

All APG North (Aberdeen) classes will be held at Bldg. 3147. All APG South (Edgewood) classes will be held at the Maryland Fire and Rescue Institute's North East Regional Training Center, located near the Edgewood (Wise Road) gate.

- **March 17** – APG North – Bldg. 3147, Rm 205 – 9 a.m. & 1 p.m.
- **April 21** – APG South – MFRI North East Regional Training Center – 9 a.m. & 1 p.m.
- **May 19** – APG North – Bldg. 3147, Rm 205 – 9 a.m. & 1 p.m.
- **June 16** – APG South – MFRI North East Regional Training Center – 9 a.m. & 1 p.m.
- **July 21** – APG North – Bldg. 3147, Rm 205 – 9 a.m. & 1 p.m.
- **Aug. 18** – APG South – MFRI North East Regional Training Center – 9 a.m. & 1 p.m.
- **Sept. 22** – APG North – Bldg. 3147, Rm 205 – 9 a.m. & 1 p.m.
- **Oct. 20** – APG South – MFRI North East Regional Training Center – 9 a.m. & 1 p.m.
- **Nov. 17** – APG North – Bldg. 3147, Rm 205 – 9 a.m. & 1 p.m.
- **Dec. 15** – APG South – MFRI North East Regional Training Center – 9 a.m. & 1 p.m.

For more information, contact Mike Slayman at 410-306-0566.

TUESDAY APRIL 19

DENTAL CLINICS CLOSED

The APG North (Aberdeen) and APG South (Edgewood) dental clinics will be closed, 7 a.m. to 3:30 p.m.

For more information, contact Sgt. Tracy Glover at 410-804-6805 or email tracy.s.glover4.mil@mail.mil.

THURSDAY APRIL 21

DENTAL CLINICS CLOSED

The APG North (Aberdeen) and APG South

(Edgewood) dental clinics will be closed, 7 a.m. to 3:30 p.m.

For more information, contact Sgt. Tracy Glover at 410-804-6805 or email tracy.s.glover4.mil@mail.mil.

ONGOING

VETERINARY TREATMENT FACILITY NEW HOURS

Based on customer demand, the APG Veterinary Treatment facility will have new hours starting in January.

The VTF will be open and accept appointments Tuesday and Wednesday, 8 a.m. to 5 p.m.

Should demand increase, the clinic will reevaluate days and hours of operation.

The clinic is open to all service members, retirees, and their families.

To schedule an appointment, call 410-278-4604.

family&children

FRIDAY APRIL 1

SOCIETY OF AMERICAN MILITARY ENGINEERS SUMMER CAMP APPLICATION DEADLINE

The Society of American Military Engineers will fund two one-week scholarships at an engineering and construction camp for two rising 10th to 12th grade high school students who are interested in STEM careers.

Students will work as part of a real engineering or construction project team and provide students an opportunity to broaden their engineering knowledge.

To apply, visit www.samecamps.org or email Stanley.e.childs.civ@mail.mil for more information.

miscellaneous

STARTING FEBRUARY 22

APG ARMY EDUCATION CENTER REDUCED HOURS

The APG Army Education Center will have reduced hours of operation starting Monday, February 22. New hours of operation will be Monday through Wednesday, 8 a.m. to 4 p.m.

During this time, visit Evelyn Childs, alternate test control officer and counselor support at Bldg. 4305, room 233, or contact her at 410-306-2037 or evelyn.a.childs.ctr@mail.mil.

For additional information or support, contact the center's West Point personnel, Counselor Nancy Judd at 845-938-3464 or nancy.judd@usma.edu or Education Services Specialist Neil Sakumoto at 845-938-5389 or neil.sakumoto@usma.edu.

The education center apologizes for any inconvenience caused by the reduced hours of operation.

THROUGH MARCH 23

2016-2017 SENIOR SERVICE COLLEGE FELLOWSHIP PROGRAM NOW ACCEPTING APPLICATIONS

The U.S. Army Acquisition Support Center is currently accepting applications for the 2016-17 SSCF program through March 23. The SSCF Program is a 10-month educational opportunity conducted under the auspices of the Defense Acquisition University (DAU) at Huntsville, Alabama, Warren, Michigan and Aberdeen Proving Ground, Maryland.

The SSCF program prepares government civilians at the GS-14/15 levels or equivalent for senior leadership roles by provides training in leadership and acquisition. Program components include completion of DAU's Program Management Course (PMT 401), courses in leadership, applications of acquisition to national defense issues, research in acquisition topics, mentoring, and a distinguished speaker program.

For complete program information and application requirements, please visit: <http://asc.army.mil/web/career-development/programs/defense-acquisition-university-senior-service-college/>

For APG specific program information, please visit: <http://www.dau.mil/sscf/Pages/apg.aspx>.

For more information about the program, please contact Jim Oman at james.oman@dau.mil or 410-272-9470.

MARCH 31

SOCIETY OF AMERICAN MILITARY ENGINEERS STEM SCHOLARSHIP APPLICATION DEADLINE

The Chesapeake Post of the Society of American Military Engineers announces the availability of the 2016-17 college scholarship applications. The purpose of the SAME Chesapeake Post scholarships is to encourage and support talented students in their pursuit of STEM careers. Each scholarship recipient will also be provided with a SAME mentor.

Scholarships will be awarded in two categories, high school seniors and current college students. Amounts will range from \$300 to \$1,000 per student. The post anticipates awarding five to 10 scholarships. Students must meet the "Scholarship Selection Criteria" requirements and be pursuing a career in a STEM area as defined on the application. Students must reapply each year.

The SAME Chesapeake Post Scholarship Committee will meet in April to review applications. All applicants will be notified of their determination. Preference will be given to those applicants who: are already members of SAME, have attended a meeting or SAME event in the past year, have participated in an engineering or science activity (i.e. robotics competition), or have participated in an internship at APG or other engineering or science related facility.

Scholarship information can be found at www.same.porg/chesapeake. The application deadline is March 31.

Questions should be directed to Stan Childs at 410-322-8575 or Stanley.e.childs.civ@mail.mil.

ONGOING

FREE INCOME TAX PREP

The Office of the Staff Judge Advocate, Client Services Division offers free income tax preparation for eligible patrons, including active-duty service members, retirees and their family members.

The OSJA, CSD is located in Bldg. 4305, Room 317. Its hours of operation are Monday – Thursday, 9 a.m. to 1 p.m.

For more information, or to schedule an appointment, call 410-278-1583.

ONGOING

APG SOUTH 2016 WATER MAIN FLUSHING

The APG Garrison Directorate of Public Works has announced its APG South (Edgewood) 2016 water main flushing schedule.

The Edgewood DPW Waterworks Branch will perform water main flushing during the following times:

- **Jan. through March:** E1500-E1900 area, E6000 area.
- **Feb. 18-20:** APG South housing area, E1220-E1300 area, and child care center.
- **April through June:** E2000 area.
- **May 12-14:** APG South housing area, Austin Road.
- **July through Sept.:** E3000-E4000 area.
- **Aug. 11-13:** APG South housing area, E1220-E1300 area, and child care center.
- **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.

ONGOING

2016 FIRE MARSHALL PROGRAM SCHEDULE

The APG Directorate of Emergency Services Fire Protection & Prevention Division will host Fire Marshall classes the second Wednesday of the month, unless otherwise noted. All classes will be held from 9 a.m. to noon and attendees will receive a certificate of completion at the end of the class.

Upcoming class dates include:

- **March 29** – APG South, Bldg. E4810
- **April 14** – APG North, Bldg. 4403
- **May 19** – APG North, Bldg. 4403
- **June 28** – APG South, Bldg. E4810
- **July 14** – APG North, Bldg. 4403
- **Aug. 11** – APG North, Bldg. 4403
- **Sept. 27** – APG South, Bldg. E4810
- **Oct. 13** – APG North, Bldg. 4403
- **Nov. 17** – APG North, Bldg. 4403
- **Dec. 15** – APG North, Bldg. 4403
- **Dec. 20** – APG South, Bldg. 4403

Additional classes can be scheduled on a case-by-case basis. For more information, contact Inspector Loren Brown at 410-278-1128.

ONGOING

2016 FIRE EXTINGUISHER TRAINING

The APG Directorate of Emergency Services Fire Protection & Prevention Division will host fire extinguisher training classes on APG North (Aberdeen) and APG South (Edgewood) throughout 2016.

Two classes will be held each day from 10 a.m. to noon, and 1 p.m. to 3 p.m. at the following dates and locations:

- **Feb. 25** – APG South, Bldg. E4810
- **March 17** – APG North, Bldg. 4403
- **April 14** – APG South, Bldg. E4810
- **May 19** – APG North, Bldg. 4403
- **June 23** – APG South, Bldg. E4810
- **July 14** – APG North, Bldg. 4403
- **Aug. 17** – APG South, Bldg. E4810
- **Sept. 15** – APG North, Bldg. 4403
- **Oct. 13** – APG South, Bldg. E4810
- **Nov. 17** – APG North, Bldg. 4403
- **Dec. 22** – APG South, Bldg. E4810

For more information, contact Ernie Little at 410-306-0583 or ernest.w.little.civ@mail.mil.

ONGOING

FIREWOOD AVAILABLE FOR SALE

Firewood is available 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. Permits to buy wood are good for ten days, or until an order is filled, whichever comes first. Permits will be issued 8 a.m. to 3 p.m. on a first-come-first-served basis at APG South (Edgewood) in Bldg. E4630, Monday through Thursday. For more information, contact Scott English at 410-436-9804 or Kathy Thisse at 410-436-8789.

Army examines use for cockroach-inspired robots in confined spaces

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

Supported by the U.S. Army Research Laboratory, researchers from the University of California, Berkeley, have developed a small, crawling robot that mimics a cockroach's ability to squeeze through confined spaces.

A report on this work, written by UC Berkeley researchers Dr. Kaushik Jayaram and Dr. Robert Full, is featured in the latest edition of "Proceedings of the National Academy of Sciences," the academy's official scientific journal.

According to the publication, cockroach exoskeletons inspired UC Berkeley researchers to manufacture an origami-style, soft, legged robot that can move around rapidly in both open and confined spaces.

These spaces include rubble generated by natural disasters and explosions that first responders may not be able to access in emergency situations.

The robot, which is palm-sized, is known as CRAM for "compressible robot with articulated mechanisms."

While currently a prototype, researchers see great possibilities for this insect-inspired technology, which will be tested in real-world disasters when a more robust version is developed.

The research is supported by ARL's Micro Autonomous Systems and Technology, commonly referred to as MAST, Collaborative Technology Alliance, which involves researchers from the Army, industry and academia.

Dr. Brett Piekarski, cooperative-agreement manager of the MAST CTA, said its goal is to develop and explore the underpinning science to enable increased situational awareness for the dismounted Soldier in complex, real-world environments by enabling increased autonomy, collaboration, and mobility of micro-aerial and ground-based autonomous systems.

"The research at UC Berkeley is exploring bio-inspired mobility and control methods that can be applied to future Army autonomous robotic systems," Piekarski said. "Over the course of the program, they have performed research in many areas from how insects can maneuver and transition over and through varying surfaces, to how lizards



Courtesy graphic

UC Berkeley's cockroach-inspired robot prototype, CRAM, is supported by ARL's MAST CTA, through which researchers seek to transition technology that will enhance warfighters' tactical situational awareness in urban and complex terrain.

use their tails to maintain stability over rugged terrain or to maneuver rapidly, to bio-inspired self-righting technologies that have led to a joint project with ARL, and to the focus of the recent paper on how cockroaches maneuver through very small cracks."

Piekarski said all of these studies are providing exciting new discoveries that will lead to new innovations in how future micro-autonomous systems will operate and rapidly maneuver through very complex 3-D terrains.

Distinct from the specific research discussed in the journal but also pertinent to cockroach-inspired robotics research,

ARL researchers, including Chad Kessens, are working with UC Berkeley on the ability of cockroach-inspired robots to self-right.

The research at UC Berkeley is exploring bio-inspired mobility and control methods that can be applied to future Army autonomous robotic systems.

Dr. Brett Piekarski
Cooperative-agreement manager
of the MAST CTA

Kessens, a robotic-manipulation research engineer, is developing an analysis framework for determining self-righting solutions; that is, getting a robot back on its feet/wheels/tracks after tipping over. It was designed to analyze how any given robot may utilize its available appendages or other means of movement for

self-righting. The goal is to apply the framework to existing fielded systems as well as future systems, whatever they may look like.

"The software that we have developed at ARL analyzes and evaluates any given robot's ability to return to its preferred orientation after tipping over," Kessens said. "UC Berkeley's group and I are using it to understand the relationship between the wing geometries of various cockroaches and the methods they choose for righting. We have been testing these on cockroach-inspired, self-righting robots they've been developing."

Kessens said they hope to better understand what mechanical and energetic advantages the cockroach's righting strategy offers for robotics applications.

In terms of this research being of benefit to the warfighter, Kessens said cockroach-inspired, self-righting robots would be a valuable asset on the battlefield.

"Soldiers have reported tip-over of existing robotic systems as a significant issue," he said. "The very rugged terrain and dynamic conditions experienced in the field can cause robots to turn upside down, leading to mission delays and risking loss of these valuable robotic tools that Soldiers need to complete their missions."

Kessens noted that it is almost inevitable that at some point on some mission this problem will be experienced, and once a tip-over occurs it can be very challenging for an operator to determine how to right a robot. Operators often cannot directly see the robot, and cameras on the robot might be looking at the ground or the sky, making it difficult to know how the robot is oriented or positioned.

"One Solider I spoke with valued his robot so much that he got out of the safety of his vehicle to rescue it when he was unable to get it back on its tracks after many attempts. This is exactly what we do not want, and Soldiers should not be tempted to risk themselves for a robot," Kessens said.

So, while some may view them as a nuisance, researchers are working to put the capabilities of cockroaches and similar insects to use to provide both civilian and military operations with technological support that could save lives in times of crisis.

The renaissance of technology development risk reduction

By **KRISTEN KUSHIYAMA**
CERDEC

An Army research and development representative addressed electronic warfare, cyber and signal intelligence professionals on how the Army is using field experimentation to mature and validate emerging technologies in their field during an event in Wall Township, New Jersey Feb. 10.



Wittstruck

The Association of Old Crows' Garden State Chapter held a lunch-and-learn event for its members to learn about the U.S. Army Communications-Electronics Research, Development and Engineering Center, or CERDEC, revitalization efforts of field experimentation and integration to the Army's acquisition and operations communities.

Dr. Richard H. Wittstruck, associate director of Field Based Experimentation and Integration for CERDEC's Space and Terrestrial Directorate, presented CERDEC's initiatives in field-based risk reduction, which is a process CERDEC uses to demonstrate emerging capabilities to the Army, Joint and Coalition communities and other government organizations as part of transitioning a technology to an operation capability.

"Field-based risk reduction is where engineering meets operations," Wittstruck said.

Presenting at the luncheon provided Wittstruck the opportunity to address CERDEC's field-based risk reduction efforts to a relevant audience.

"As we see the convergence of intelligence, cyber and EW capabilities on the battlefield, field-based risk reduction is essential to demonstrating

such converged operations concepts to enable unified land operations, and the Association of Old Crows is a forum to discuss and solve these issues," Wittstruck said.

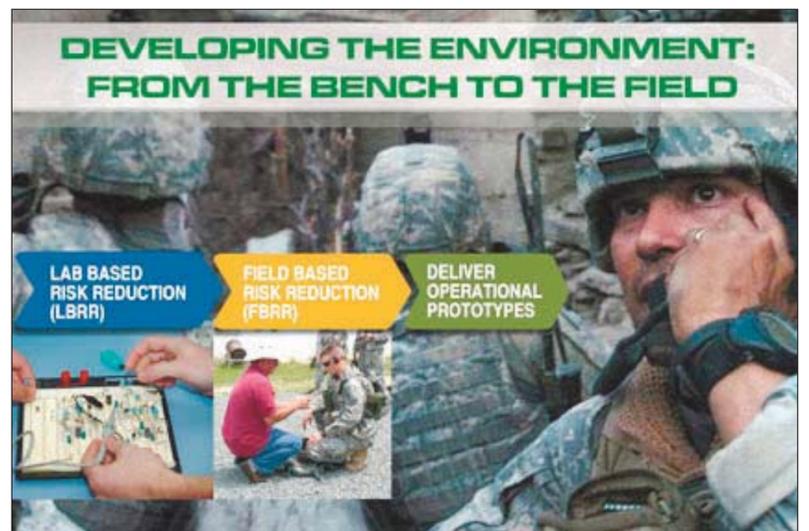
During the wars in Iraq and Afghanistan, the Army worked on a condensed development and fielding schedule, taking technologies from the labs to the operational field. It did not necessarily follow the Defense Department's analysis for solving Soldier capability gaps known as DOTMLPF-P, which stands for doctrine, organization, training, materiel, leadership, personnel, facilities and policy.

There was some work done in state-side field environments to ensure safety and compatibility but not the full assessment that's required to characterize and reduce risk of entering operations, Wittstruck said.

"While there was good reason for this shift, a post-conflict transition period with limited resources now mandates a return to our roots," Wittstruck said. "It's time for a renaissance to our engineering best practices: modeling and simulation leading to lab-based risk reduction and subsequent field-based risk reduction were the roadmap to successful technology insertion and transition to an operations asset during the 20th century."

CERDEC has focused its field-based risk reduction efforts into six lines of operation going beyond technology maturation, independent verification, and validation to also include supporting the Assistant Secretary of the Army for Acquisition, Logistics and Technology's Common Operating Environment, Army initiatives, other government organizations, U.S. Army Reserve and National Guard, Joint military efforts, and the industrial and academic base.

The center has multiple organizations that specifically support the integration of mission command, communications, intelligence, surveillance,



U.S. Army CERDEC graphic

Field-based risk reduction is a process CERDEC uses to demonstrate emerging capabilities to the Army, Joint and Coalition communities and other government organizations as part of transitioning a technology to an operational capability.

reconnaissance and targeting technologies into Army systems and platforms.

The CERDEC Ground Activity at Joint Base McGuire-Dix-Lakehurst in New Jersey focuses on the future network and provides the Army with a relevant assessment venue to mature technology and validate technical progress, and CERDEC space at Fort A.P. Hill and Fort Belvoir both in Virginia have facilities and ranges used to test lasers and sensors safely mine lanes to test hand-held explosive threat detectors, ground penetrating radars and other explosive hazard detection technologies.

CERDEC supports air platforms through the CERDEC Flight Activity at JB MDL, which provides end-to-end aviation support for these emerging technologies, quick reaction capabilities to units and post-production aircraft

modifications for program executive offices and project managers, and its Aviation Research and Development Sensors Test and Evaluation Facility at Fort Belvoir that is used during the development of both pilotage and target acquisition systems for current and future Army aircraft.

"High-visibility Army efforts such as converged command post, transport convergence, multi-function teams and tactical cyber demand a robust field-based risk reduction process to demonstrate these future Army operations concepts in a tactically relevant framework for Army, Joint and coalition interoperability," Wittstruck said. "As the Army restructures its forces and capabilities, field-based risk reduction provides an experimentation and integration environment to reduce risk and inform Army investment decisions."



Come and follow us <https://twitter.com/USAGAPG>

Common questions about Zika virus

Centers for Disease Control and Prevention

The Centers for Disease Control and Prevention, or CDC, provides answers to the most commonly asked questions about the Zika virus.

What is Zika virus disease (Zika)?

Zika is a disease caused by Zika virus that is spread to people primarily through the bite of an infected Aedes species mosquito. The most common symptoms of Zika are fever, rash, joint pain, and conjunctivitis (red eyes). The illness is usually mild with symptoms lasting for several days to a week.

Is this a new virus?

No. Outbreaks of Zika previously have been reported in tropical Africa, Southeast Asia, and the Pacific Islands. Zika virus likely will continue to spread to new areas. In May 2015, the Pan American Health Organization issued an alert regarding the first confirmed Zika virus infection in Brazil.

How is Zika transmitted?

Zika is primarily transmitted through the bite of infected Aedes mosquitoes, the same mosquitoes that spread Chikungunya and dengue. These mosquitoes are aggressive daytime biters and they can also bite at night. Mosquitoes become infected when they bite a person already infected with the virus. Infected mosquitoes can then spread the virus to other people through bites. It can also be transmitted from a pregnant mother to her baby during pregnancy or around the time of birth. We do not know how often Zika is transmitted from mother to baby during pregnancy or around the time of birth.

Who is at risk of being infected?

Anyone who is living in or traveling to an area where Zika virus is found who has not already been infected with Zika virus is at risk for infection, including pregnant women.

What countries have Zika?

Specific areas where Zika virus transmission is ongoing are often difficult to determine and likely to change over time. Prior to 2015, Zika virus outbreaks have occurred in areas of Africa, Southeast Asia, and the Pacific Islands.

In May 2015, the Pan American Health Organization issued an alert regarding the first confirmed Zika virus infections in Brazil. Currently, outbreaks are occurring in many central and South American countries.

If traveling, visit the CDC Travelers' Health site at wwwnc.cdc.gov/travel for the most updated travel information.

More information about current outbreaks of Zika can be found at www.cdc.gov/zika/geo/index.html.

What are the symptoms of Zika?

About 1 in 5 people infected with Zika will get sick. For people who get sick, the illness is usually mild. For this reason, many people might not realize they have been infected.

The most common symptoms of Zika virus disease are fever, rash, joint pain, or conjunctivitis (red eyes). Symptoms typically begin two to seven days after being bitten by an infected mosquito.

How is Zika diagnosed?

See your healthcare provider if you develop symptoms (fever, rash, joint pain, red eyes). If you have recently traveled, tell your healthcare provider.

Your healthcare provider may order blood tests to look for Zika or other similar viral diseases like dengue or chikungunya.

What is the treatment for Zika?

There is no vaccine or specific medication to treat Zika virus infections.

Treat the symptoms:

How to protect yourself from mosquito bites

There is no vaccine to prevent Zika. The best way to prevent diseases spread by mosquitoes is to avoid being bitten. Protect yourself and your family from mosquito bites. Here's how:

- **Wear long-sleeved shirts and long pants.**
- **Stay in places with air conditioning or that use window and door screens to keep mosquitoes outside.**
- **Use Environmental Protection Agency (EPA)-registered insect repellents. All EPA-registered insect repellents are evaluated for effectiveness.**
 - Always follow the product label instructions.
 - Reapply insect repellent as directed.
 - Do not spray repellent on the skin under clothing.
 - If you are also using sunscreen, apply sunscreen before applying insect repellent.
- **If you have a baby or child:**
 - Do not use insect repellent on babies younger than 2 months of age.
 - Dress your child in clothing that covers arms and legs, or
 - Cover crib, stroller, and baby carrier with mosquito netting.
 - Do not apply insect repellent onto a child's hands, eyes, mouth, and cut or irritated skin.
 - Adults: Spray insect repellent onto your hands and then apply to a child's face.
- **Treat clothing and gear with permethrin or purchase permethrin-treated items.**
 - Treated clothing remains protective after multiple washings. See product information to learn how long the protection will last.
 - If treating items yourself, follow the product instructions carefully.
 - Do NOT use permethrin products directly on skin. They are intended to treat clothing.
- **Sleep under a mosquito bed net if you are overseas or outside and are not able to protect yourself from mosquito bites.**

- Get plenty of rest.
- Drink fluids to prevent dehydration.
- Take medicine such as acetaminophen to reduce fever and pain.
 - Do not take aspirin or other non-steroidal anti-inflammatory drugs.
 - If you are taking medicine for another medical condition, talk to your healthcare provider before taking additional medication.

What should I do if I have Zika?

- Treat the symptoms:
- Get plenty of rest
 - Drink fluids to prevent dehydration
 - Take medicine such as acetaminophen to reduce fever and pain
 - Do not take aspirin or other non-steroidal anti-inflammatory drugs

Protect others. During the first week of infection, Zika virus can be found in the blood and passed from an infected person to another person through mosquito bites. An infected mosquito can then spread the virus to other people. To help prevent others from getting sick, avoid mosquito bites during the first week of illness.

See your healthcare provider if you are pregnant and develop a fever, rash, joint pain, or red eyes within two weeks after traveling to a country where Zika virus cases have been reported. Be sure to tell your health care provider where you traveled.

Is there a vaccine to prevent or medicine to treat Zika?

No. There is no vaccine to prevent infection or medicine to treat Zika.

Are you immune for life once infected?

Once a person has been infected, he or she is likely to be protected from future infections.

Does Zika virus infection in pregnant women cause birth defects?

There have been reports of a serious birth defect of the brain called microcephaly (a condition in which a baby's head is smaller than expected when compared to babies of the same sex and age) and other poor pregnancy outcomes in babies of mothers who were infected with Zika virus while pregnant. Knowledge of the link between Zika and these outcomes is evolving, but until more is known, CDC recommends special precautions for the following groups:

- Women who are pregnant (in any

trimester):

- Consider postponing travel to any area where Zika virus transmission is ongoing.

- If you must travel to one of these areas, talk to your doctor first and strictly follow steps to prevent mosquito bites during your trip.

- Women who are trying to become pregnant:

- Before you travel, talk to your doctor about your plans to become pregnant and the risk of Zika virus infection.

Strictly follow steps to prevent mosquito bites during your trip.

For more questions and answers on Zika and pregnancy, see the "CDC Questions and Answers: Zika and Pregnancy" website at <http://www.cdc.gov/zika/pregnancy/question-answers.html>.

Does Zika virus infection cause Guillain-Barré syndrome?

Guillain-Barré syndrome is a rare disorder where a person's own immune system damages the nerve cells, causing muscle weakness and sometimes, paralysis. These symptoms can last a few weeks or several months. While most people fully recover from GBS, some people have permanent damage and in rare cases, people have died.

We do not know if Zika virus infection causes GBS. It is difficult to determine if any particular pathogen "caused" GBS. The Brazil Ministry of Health is reporting an increased number of people affected with GBS. CDC is working to determine if Zika and GBS are related.

How many travel-associated cases have been diagnosed in the United States?

CDC continues to work with states to monitor the United States for mosquito-borne diseases, including Zika. In 2016, Zika became a nationally notifiable condition. Healthcare providers are encouraged to report suspected cases to their state or local health departments to facilitate diagnosis and mitigate the risk of local transmission. To date, local transmission of Zika virus has not been identified in the continental United States. Limited local transmission may occur in the mainland United States but it's unlikely that we will see widespread transmission of Zika in the mainland U.S.

Should we be concerned about Zika in the United

States?

The U.S. mainland does have Aedes species mosquitoes that can become infected with and spread Zika virus. U.S. travelers who visit a country where Zika is found could become infected if bitten by a mosquito.

With the recent outbreaks, the number of Zika virus disease cases among travelers visiting or returning to the United States will likely increase. These imported cases may result in local spread of the virus in some areas of the United States. CDC has been monitoring these epidemics and is prepared to address cases imported into the United States and cases transmitted locally.

What is CDC doing about Zika?

CDC has been aware of Zika for some time and has been preparing for its possible introduction into the United States. Laboratories in many countries have been trained to test for chikungunya and dengue. These skills have prepared these laboratories for Zika testing.

CDC is working with international public health partners and with state health departments to

- Alert healthcare providers and the public about Zika.

- Provide state health laboratories with diagnostic tests.

- Detect and report cases, which will help prevent further spread.

The arrival of Zika in the Americas demonstrates the risks posed by this and other exotic viruses. CDC's health security plans are designed to effectively monitor for disease, equip diagnostic laboratories, and support mosquito control programs both in the United States and around the world.

For more information and the latest updates, visit the CDC website at www.cdc.gov/zika.

Healthy Living

Healthy Living is a recurring feature in the APG News. It addresses health topics that matter most to our readers. To view more health topics and the Community Health Promotion Council calendar of events, visit the APG homepage www.TeamAPG.com. To suggest health-related topics for the Healthy Living series, email amanda.r.rominiecki.civ@mail.mil



Have a great idea for a story?

Know about any interesting upcoming events?

Wish you saw more of your organization in the paper?

The APG News accepts story ideas and content you think the APG community should know about.

- Story ideas or content must be geared toward the greater APG community and cannot appear to endorse any private company.
- The deadline for content to appear in an upcoming issue of the APG News is the **Thursday PRIOR** to publication. The APG News cannot guarantee submissions received after the Thursday prior to publication will appear in the next issue of the paper.
- Send story ideas or pre-written content to amanda.r.rominiecki.civ@mail.mil or call 410-278-7274 for more information.
- Please note, the APG News editor reserves the right to (1) reject any content deemed inappropriate, irrelevant or against regulation, (2) delay the publication of submitted material if it is not timely and (3) edit or shorten content for space and style reasons without altering the meaning of the submission.



ALL THINGS MARYLAND

Post Secret starts in Germantown *Maryland man's 'secret' is international phenomenon*

By **STACY SMITH**
APG News

One of the ironies of the omnipresence of social media is that online tools meant to keep us together can sometimes leave us feeling more disconnected from one another. We've replaced deep conversations with the efficiency of clicks, likes and emojis. And although we "know" much more about the private lives of virtual strangers, much of that information is reduced to a trivial photo or one-liner status update.

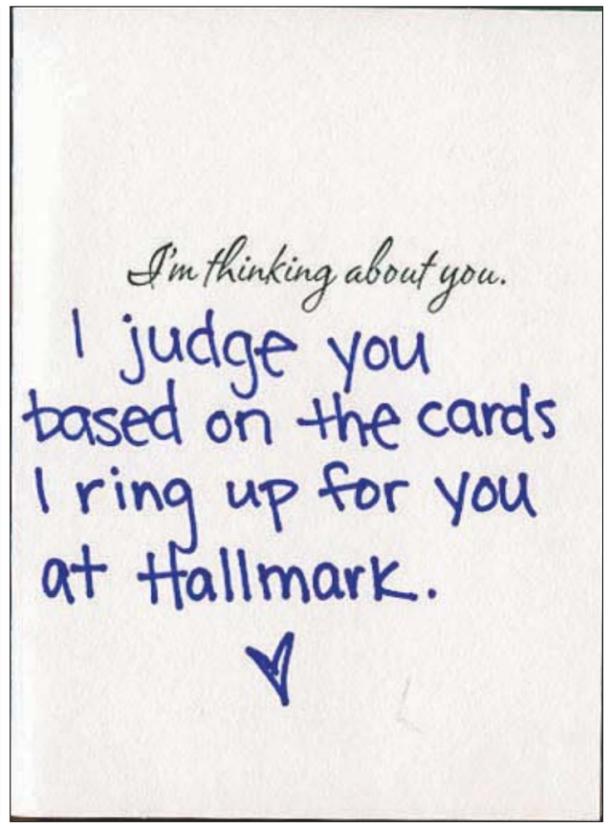
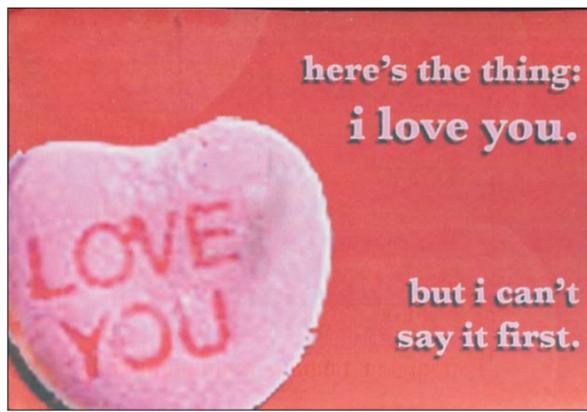
Reading the online PostSecret Project is like taking a machete to a cluttered news feed and replacing it with barebones humanity. Every week thousands of strangers across the world write their secrets on a postcard and mail it anonymously to the home of project creator and Germantown, Maryland resident Frank Warren. At the project's outset Warren made just two criteria for these submissions: the secret must be true, and it must be something never revealed to anyone else before.

Since November 2004, Warren has received more than 500,000 postcards, with secrets that run the gamut from the shocking to the trivial, as well as confessions on secret beliefs, hidden acts of kindness, strange habits and fears.

"The secrets I receive reflect the full spectrum of complicated issues that many of us struggle with every day: intimacy, trust, meaning, humor and desire," Warren said during a 2012 annual conference.

Warren sorts through the thousands of postcards he receives every week to post a select few every Sunday on the project's blog, www.postsecret.com, as well as a few "classic" secrets featured on the blog in the past. The blog has a huge web-based readership with more than 600 million visits since its inception.

Those who send in their secrets take creative license with the definition of "postcard," often choosing to write and mail secrets on half-torn greeting cards, medical prescription pads, and altered



Germantown resident Frank Warren asked people to share their secrets with him in 2004. Since then, he has received more than 500,000 postcards from individuals across the globe.

(Clockwise from top left) Many can relate to this poster's secret: being in love yet unable to tell the person.; A postcard written by a Hallmark employee reveals his or her secret judgments behind the cash register.; A "classic secret" posted on Valentine's Day; the use of a comic strip lends humor to an otherwise depressing postcard.

photographs. Secrets are submitted in numerous languages and codes, with simple type or highly decorative handwriting, and sometimes display original artwork or images taken from magazine and newspaper clippings.

Some messages seem addressed to a particular person, a friend, parent or old flame, while others are meditations on universal themes and life experiences. As a result, the project feels like a 21st century online scrapbook with timeless appeal.

Warren has segued the project into successful books and presentations, including a collaboration with the American Visionary Art Museum in Baltimore called "All Faiths Beautiful," which featured postcards about God, religion and faith.

The project is so popular that Warren takes it on the road with a 22-city national tour. According to its website, "Post-Secret: The Show" is an immersive, poignant journey through the humor and humanity of the personal stories

people keep to themselves, and on rare occasions, share with others. Projected images, videos, three actors and a guitarist guide the audience through crowd-sourced narratives revealing the true stories behind the secrets.

For more information, visit www.postsecret.com.

Postcards can be mailed to:

Frank Warren
13345 Copper Ridge Rd.
Germantown, Maryland 20874

BY THE NUMB#RS

American Heart Month

February is American Heart Month, an observance that raises awareness of heart disease, the leading cause of death for men and women in the United States.

\$108.9 billion

Cost of coronary heart disease. This total includes the cost of health care services, medications and lost productivity in the U.S.

67 million+

Number of Americans with high blood pressure. Uncontrolled high blood pressure is a leading cause of heart disease and stroke.

610,000

Approximate number of heart disease deaths in the U.S. each year. This equals one out of every four deaths.

150

Recommended minutes of moderate-intensity aerobic exercise per week for healthy adults. Exercise helps prevent heart disease.

47

Percentage of sudden cardiac deaths that occur outside a hospital. This suggests that many people with heart disease don't act on early warning signs of heart attacks.

By **RACHEL PONDER**, APG News
Source(s): <http://www.mayoclinic.org/>
<http://www.cdc.gov/>

**Tell them you saw
it in the APG News**

MORALE, WELFARE & RECREATION



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

Upcoming Activities

LEISURE & TRAVEL

TEXAS HOLD'EM CASINO NIGHT FEB. 25

5 p.m.; APG North (Aberdeen) recreation center

MWR will host a Casino night including Texas Hold'em, Blackjack, craps, and roulette. Tickets are \$20 until Feb. 18; \$25 Feb. 19-24 and \$30 at the door. There will be a cash bar. Purchase tickets at the APG North or APG South (Edgewood) recreation centers, or online at www.apgmwr.com.

For more information, call 410-278-3931.

FAMILY MOVIE NIGHT FEB. 26

6 p.m.; APG South (Edgewood) recreation center

MWR will host a family movie night featuring "The Princess and the Frog" and youth craft at the APG South (Edgewood) recreation center starting at 6 p.m. The free event will include youth crafts, giveaways and light snacks. Families are allowed to bring their own meal.

For more information, call 410-278-4011 or 410-436-2862.

TRAVEL FAIR AND SPRING BAZAAR MARCH 9

10 a.m. - 2 p.m.; APG North (Aberdeen) recreation center ballroom

The Annual Travel Fair is the perfect forum to find out new and interesting destinations to explore. There will be vendor displays and give-a-ways with lots of information to gather on many travel destinations and attractions in the northeast region. Take a stroll through the bazaar area and maybe find a special gift for yourself or an Easter present.

For more information visit MWR Leisure Travel Services at APG North (Aberdeen) Recreation Center, BLDG 3326. For questions call 410-278-4011/4907 or email usarmy.apg.imcom.list.apgr-usag-mwr-leisuretravel@mail.mil.

FAMILY MOVIE NIGHT MARCH 11

6 p.m.; APG North (Aberdeen) recreation center

MWR will host a family movie night featuring "The Lorax" and youth craft at the APG North (Aberdeen) recreation center starting at 6 p.m. The free event will include youth crafts and giveaways. Food and drink will be available for purchase.

For more information, call 410-278-4011.

FAMILY MOVIE NIGHT MARCH 25

6 p.m.; APG South (Edgewood)

recreation center

MWR will host a family movie night featuring "Horton Hears a Who" and youth craft at the APG South (Edgewood) recreation center starting at 6 p.m. The free event will include youth crafts, giveaways and light snacks. Families are allowed to bring their own meal.

For more information, call 410-278-4011 or 410-436-2862.

CLUE - A WHODUNIT MURDER MYSTERY & DINNER THEATER APRIL 28

6 p.m.; APG North (Aberdeen) recreation center ballroom.

Admission: \$10 Active Duty \$15 Civilians (Not for children - contains adult language)

Doors Open at 5:30 p.m., with a cash bar. Dinner Buffet begins at 6 p.m. Show Starts at 7 p.m. and will last approximately two hours. To register or for more information visit MWR Leisure Travel Services at APG North (Aberdeen) Recreation Center, Bldg. 3326.

For questions call 410-278-4011/4907 or email usarmy.apg.imcom.list.apgr-usag-mwr-leisuretravel.

CHILD & YOUTH SERVICES

'LET'S COOK' YOUTH COOKING CLASSES FEB. 27

MARCH 26

International cooking class will teach children different skills to prepare foods from different places around the world. The children will learn about sanitation and kitchen safety. They will also be taught different recipes that require little help from their parents. Children will learn to cook up to three dishes including a main dish and a dessert.

Classes are held one Saturday each month. Registration is required along with a \$17 supply fee. Children must be 7-years-old or older.

For more information, email Shirelle Womack at shirelle.j.womack.naf@mail.mil.

MISSOULA CHILDREN'S THEATRE: "PETER AND WENDY" OPEN AUDITIONS MARCH 28

4:30-6:30 p.m.; APG North (Aberdeen) Youth Center

SKIESUnlimited will host a week-long tour residency with the Missoula Children's Theatre present "Peter and Wendy." Give your children the opportunity to shine! The week-long camp culminates in a public performance, starring local children, complete with professionally designed scenery and costumes.

tunes.

Auditions are open to youth ages kindergarten through 12th grade and no preparation is needed. Assistant directors will also be cast to assist with the technical aspects of the production.

The "Peter and Wendy" workshop/camp will run March 28 to April 1, and the children's performance will be April 2 at 1:30 & 3 p.m. For more information, contact SKIES at 410-278-4589.

NATIONAL CHERRY BLOSSOM FESTIVAL BUS TRIP APRIL 16

The National Cherry Blossom Festival is an annual two-week event that celebrates springtime in Washington, D.C. as well as the 1912 gift of 3,000 cherry blossom trees from Mayor of Tokyo to the city of Washington, DC. The gift and annual celebration honor the lasting friendship between the United States and Japan. Over the years, millions have participated in the annual event that heralds spring in the nation's capital.

The bus will leave the APG North (Aberdeen) recreation center at 7:30 a.m. and return at approximately 7:30 p.m. The cost is \$32 per person.

Reserve your seats today by calling 410-278-4011 or visiting the MWR Leisure Travel Office at the APG North recreation center.

For more information about the festival, visit: www.nationalcherryblossomfestival.org

MONTH OF THE MILITARY CHILD 2K COLOR FAMILY FUN RUN APRIL 23

APG MWR will host a free 2K Color Family Fun Run starting at 10 a.m. at the APG North (Aberdeen) youth center. Rain date will be Saturday, April 30. Active-duty, Reservist, wounded warrior and Gold Star family registration begins Feb. 22. All other registration begins Feb. 29. Registration is open to the first 750 participants. All ages are welcome.

Register online at <https://apgmomccolorrun2016.eventbrite.com>. All participants, regardless of age, must register. The first 300 youth ages 3 to 15 will receive a t-shirt.

Volunteers are needed for the fun run. Volunteers can register at <https://apgvolunteercolorrn2016.eventbrite.com>.

BEFORE & AFTER SCHOOL CHILD CARE IMMEDIATE OPENINGS

Participants must be registered with the CYSS Parent Central Office. Fees are based on total family income. Fees waived for all middle school students' afternoon care.

For more information, contact the

Parent Central Office at 410-278-7571.

SPORTS & RECREATION

SUTHERLAND GRILLE CLOSURES FOR SEASON THROUGH APRIL 4, 2016

The Sutherland Grille at Ruggles Golf Course is closed for lunch service for the winter season and reopens April 4. During this time, the grille will be available for meetings and special events.

For more information and the special event menu, call 410-278-4794.

ARMY COMMUNITY SERVICE

APPLYING FOR FEDERAL EMPLOYMENT WORKSHOP FEB. 24

ACS will host an "Applying for Federal Employment Workshop" at Bldg. 2503 from 10 a.m. to 2 p.m. Attendees will learn the 10 steps to federal employment.

Online registration is required, and the class is limited to 25 attendees.

For more information about how to register, call 410-278-9669.

PERSONAL FINANCE FOR WOMEN MARCH 10

11:30 a.m. to 12:30 p.m., ACS Bldg. 2503

Women face some unique personal finance challenges. This class will address how to overcome these challenges and set up ways to make the most of your money. For more information contact Leary Henry leary.g.henry.civ@mail.mil 410-278-2453.

HOW TO START YOUR SMALL BUSINESS MARCH 23

11:30 a.m. to 1 p.m., ACS Bldg. 2503

Army Community Service will host a free "How to Start Your Small Business" seminar.

The orientation program provides a brief overview of the way to start a business and the skills and duties of a successful entrepreneur. The session is open to Team APG personnel and the public.

To reserve a seat, contact Marilyn Howard at 410-278-9669/7572.

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

EFMP Bowling
5:30-7:30pm
AA Bowling Alley

Free Bowling for EFMP & APG Families with Special Needs Members.
Mondays 5:30-7:30
February 22
March 21
April 18

For more information contact Nancy Goucher, EFMP
nancy.e.goucher.civ@mail.mil
410-278-2420

MILITARY SAVES WEEK

February 22, 23
11:30 - 12:30

APG North Dickson Hall, Building 3074, APG North
and ECBC Conference Center, Building E4810, APG South

Saving and Investing February 22
This class will identify reasons to save and how to set goals for a savings plan. Participants will explore the difference between short term savings and long term investments.

Credit score from 0-850 February 23
That's a lot of power wrapped up in this three-digit number — which is why it's especially important to be as informed as possible about your credit score

For more information contact Leary Henry at leary.g.henry.civ@mail.mil
410-278-2453

TAKE THE SAVER PLEDGE

FY17 budget provides raise for Soldiers

Readiness emphasized during budget request announcement

Story and photo by **C. TODD LOPEZ**
Army News Service

In its fiscal year 2017 budget request, the Army - similar to its sister services - has requested for Soldiers a 1.6 percent pay raise, the largest increase in four years.

"The 2017 request for a 1.6 percent pay raise for our service members ... recognizes the unique demands and sacrifices of our service members," said Lt. Gen. Anthony R. Ierardi, director of force structure, resources and assessment with the J-8 directorate, part of the Joint Chiefs of Staff. "It buys down that gap between where we want to be and where we are. The increase in that pay is the largest one over the last four-year period."

Ierardi spoke at the Pentagon, Feb. 9, where he outlined key portions of the FY17 Department of Defense budget.

The services have also requested a 2.9 percent increase in basic allowance for housing, and a 3.4 percent increase in basic allowance for subsistence.

Readiness is paramount

Outlining Army budget specifics was Maj. Gen. Thomas A. Horlander, director of the Army budget.

"Prioritize readiness," said Horlander, calling out just two words on a slide he used to brief the Army's budget. "As we built this budget and sought to strike the best possible balance within our top-line funding level, we ensured that our absolute No. 1 priority remained readiness. This remains our commitment to the nation - to send its sons and daughters as ready as they can possibly be for the missions they are sent to do."

That emphasis on readiness is in line with Army Chief of Staff Gen. Mark A. Milley's own priorities.

"Readiness to fight and win - ground combat is and will remain the U.S. Army's No. 1 priority. And there will be no other No. 1," Milley said at his swearing in last August. "We will always be ready to fight today, and we will always prepare to fight tomorrow."

The Army budget request for FY17 is \$148 billion dollars. That includes \$125 billion in the base budget, plus an additional \$23 billion in overseas contingency operations funding. The request is approximately the same as what was enacted for the FY16 budget.

Within the base budget, requests across all top-line budgetary categories have decreased from what was enacted in the FY16 budget. The only exception is the request for operations and maintenance. That increased from \$43.8 billion in FY16 to \$45.2 billion in FY17.

"This is the funding primarily used to generate current readiness," Horlander said. "Resourcing constraints did not allow us to modernize our equipment and facilities at the same pace as we sought to minimize the risk to current readiness."

Readiness, he said, has been maintained and protected - at the cost of modernization and end strength.

For the Regular Army, the budget requests \$35.4 billion for operations and maintenance funding, "that seeks to resource a more balanced readiness across the force, instead of the tiered readiness of previous years, where only approximately one-third of the Army's brigade combat teams were ready for contingency force operations," Horlander said.

Now, Horlander said, the Army's readiness goals are to have two-thirds of its Regular Army forces ready at any time.

To support an Army focused on "decisive action" readiness, and with a capability to conduct "major combat operations," the budget proposal requests funding to support 19 combat training center rotations.



Maj. Gen. Thomas A. Horlander, director of the Army budget, outlines the Army's fiscal 2017 budget during a briefing at the Pentagon, Feb. 9.

"These rotations are focused on decisive-action training for both the Regular Army and the reserve components," Horlander said.

Funding is also requested for regional engagement activities and training missions with allies and strategic partners. That includes activities like Pacific Pathways.

Additionally, the FY17 budget request asks for increased funding for sustainment of Army equipment and an increase in depot maintenance to bring Army equipment to a greater level of repair.

For the reserve components, the budget requests \$9.6 billion in operations and maintenance funding. For the Guard, the funding, like for the Regular Army, "seeks to grow readiness to include decisive action training, sustain the force, and fund critical base operations requirements."

Modernization

For FY17, the Army's modernization budget has gone down from an enacted \$24 billion in FY16 to a requested \$22.6 billion in FY17. That \$22.6 billion includes \$15.1 billion for procurement as well as \$7.5 billion for research, development, testing and evaluation.

That reduction represents a risk where the Army has opted for readiness over modernization.

"We assess that this risk will continue until we achieve a greater balance between readiness, end strength and modernization, early into the next decade," Horlander said.

Nevertheless, the budget request includes 12 new-start programs, and no program terminations, he said. The request supports aviation modernization, funds improvements to ground combat vehicle fleets, and begins efforts to increase lethality and mobility for brigade combat teams.

"The Army requires a very broad and encompassing set of modernization efforts to be capable of being successful in any number of diverse missions in support of the combatant commanders," he said. "Our focus remains on the Soldier and the squad, providing aviation

and combat vehicles that provide mobility, protection and fire power; to mission command that enables situational awareness and networking; to the Soldier portfolio that provides the individual Soldier with lethality, survivability, and increased visibility."

Within the \$22.6 billion modernization budget request, the Army has asked for \$15.1 billion for procurement. This request focuses heavily on aircraft procurement - about \$3.6 billion is requested for aviation. The investment plan is in line with the Army's Aviation Restructure Initiative, though Horlander said that with the recent release of the recommendations by the National Commission on the Future of the Army, "the Army is studying the recommendations and is assessing the impact to its FY17 funding program."

For aviation, the budget request prioritizes modernization of Apache, Black Hawk and Chinook helicopter fleets, Horlander said. He said the Chinook fleet conversion, for instance, will be completed in FY18. He also said the budget includes funding for aircraft survivability improvements.

Within ground combat vehicles, the FY17 request provides funding for improvements to the M1 Abrams tank, the Bradley Fighting Vehicle, fielding a third Stryker double-V hull brigade set, and conversion of additional flat-bottom hull Strykers to double-V hulls for a fourth double-V hull Stryker set.

The research, development test and evaluation budget request for FY17 is about the same as that which was enacted for FY16. Within that budget are two new program starts for the Army infantry, including "a ground mobile vehicle for a nine-man infantry squad, and a mobile protected fire power that enhances direct fire capabilities of infantry brigade combat teams," Horlander said.

The Army's FY17 budget request for facilities is approximately \$1.3 billion, less than what was enacted in FY16. It includes "one of the smallest military

construction budgets in recent years."

For FY17, the Army hopes to fund 29 military construction projects across the force, including 15 within the Regular Army, 10 within the Army National Guard, and four within the Army Reserve.

Within the facilities request, only Army Family housing saw an increase. There, growth is aimed at two Family housing construction projects in Korea.

Overseas contingency operations

This year, the request for overseas contingency operations, or OCO, funds totals \$25 billion, Horlander said. It supports Operation Freedom's Sentinel in Afghanistan, Kuwait and Qatar. It also supports Operation Spartan Shield within U.S. Central Command, Inherent Resolve in Iraq, and the European Reassurance Initiative, or ERI.

The ERI, Horlander said, "is a means to ensure our NATO allies, and to deter a resurgent Russia, and constitutes much of the growth in the Army's OCO request."

The \$2.8 billion requested within OCO funds for ERI supports the rotation of an armored brigade combat team and its enablers. It also supports a full armored brigade combat team static set of prepositioned stocks.

New challenges

Horlander said the Army's budget for FY17 was designed with readiness as a No. 1 priority. But other issues have driven its development as well.

Horlander cited five "evolving security challenges" that are now a threat to the United States -- challenges that have recently been called out by defense secretary. Among those challenges are a return of "great power competition" - which is evidenced by Russian actions in Europe, and a rising China; the threat to the United States and its allies by North Korea; Iranian influence; and the continuing fight against global terrorism.

The general emphasized the importance of balancing readiness, end strength and modernization as a way to sustain the ground forces that will be necessary to generate support to combatant commanders now and into the future.

He said reduction in modernization and equipping accounts puts the Army's technological advantage at risk. Reductions to funding for installations and infrastructure puts future readiness at risk, he said, because Army facilities will require more funding in the future to compensate for years of disrepair.

"Marginalizing one component of readiness to benefit the other may net a near-term solution, but may create an unacceptable risk in the out years," he said. "The U.S. Army needs to retain force structure and end strength, readiness and cutting edge equipment - all critical components to our national security."

As we built this budget and sought to strike the best possible balance within our top-line funding level, we ensured that our absolute No. 1 priority remained readiness. This remains our commitment to the nation - to send its sons and daughters as ready as they can possibly be for the missions they are sent to do.

Maj. Gen. Thomas A. Horlander
Director of the Army budget



See more photos from events across
Aberdeen Proving Ground, Maryland
<http://www.flickr.com/photos/usagapg/>

DOD chem-bio program has global mission

By **CHERYL PELLERIN**
DOD News

Keeping warfighters safe from infectious diseases and chemical agents is a Defense Department effort that requires a range of capabilities, from global bio-surveillance and quick response to medical countermeasures and interagency and international collaboration.

At the Pentagon, the Chemical and Biological Defense Program, or CBDP, is an early and critical part of the effort. Dr. D. Christian Hassell, deputy assistant secretary of defense for chemical and biological defense, leads the program.

Hassell, an analytic chemist and former director of the FBI Laboratory, oversees the department's chem-bio program.

Chem-Bio Threats

One of his jobs is to coordinate the development of tools and capabilities that help warfighters prevent, protect against, respond to and recover from chem-bio threats and effects.

To do that, Hassell works with CBDP components such as the Joint Science and Technology Office for Chemical and Biological Defense at the Defense Threat Reduction Agency, or DTRA, and the Joint Program Executive Office for Chemical and Biological Defense.

Hassell also works closely with the interagency and international partners to coordinate a range of efforts that involve protecting service members and DoD civilians wherever they are in the world.

Monitoring the World

Rather than dividing the program into chem and bio, Hassell told DoD News in a recent interview, "my office is organized [as] ... a physical team and a medical team, [depending on] whether we're looking at the external protection versus the internal protection."

He added, "The external or physical team does things like [personal protection] suits, protective shelter and detectors, and there they look both at chem and bio."

On the medical or internal team, Hassell explained, "they're looking at diagnostics, vaccines and therapeutic drugs," also for chem and bio applications.

Hassell and his team don't monitor the world for chem-bio threats, he said. "We develop the tools that enable" those who do, he added.

Countermeasures and Defenses

Such tools include diagnostics and chemical and biological detectors that nearly anyone could use in an emergency to quickly identify pathogens and disease.

The CBDP oversees development of medical countermeasures to protect warfighters against disease and chemical threats.

Another tool in development is global biosurveillance using a technical architecture of tools that include advanced diagnostic, detection, information management and analytics technologies.

Early Warning

In the chem-bio world, early warning is the best protection for warfighters, Hassell said, and global biosurveillance is the best way to see a problem developing.



Photo by Pierre-Etienne Courtejoie, Training Support Activity Europe
Members of the British armed forces, assigned to different NATO units, walk and adjust their general service respirators inside the U.S. Army Training Support Center Benelux chemical, biological, radiological and nuclear chamber on Chievres Air Base, Belgium, Jan. 19, 2016. British forces assigned to NATO trained under supervision of the British Joint European Training Team.

"For many years, we ranked things by particular agents -- which gas, which bug, are we most worried about? [Today] ... we try to look at that holistically," he added.

The program doesn't put all its efforts into just one virus or chemical agent. It's impossible to know which one could be developed as a weapon or could arise in a pandemic.

"Wherever possible you try to [create] an integrated system, so that mask will protect an individual against as broad a spectrum [as possible] of chemical agents. Or [making] sure a vaccine can protect against as many strains as possible," Hassell said.

"For some organisms, if we develop a vaccine for one specific strain and then it mutates, the vaccine may no longer work, and that wouldn't be practical," Hassell explained. "You'd have to vaccinate against every bug, every year, for every person."

Ebola Defense

That was the case in 2014-2015 when the Ebola outbreak surged through West Africa and no vaccine or drug was avail-

able. But as part of the DoD medical countermeasures program, scientists at the U.S. Army Medical Research Institute for Infectious Diseases at Fort Detrick, Maryland, had been working for years on vaccines for historically rare

and fatal diseases such as Ebola.

By 2014, the USAMRIID scientists had created and begun testing a three-strain vaccine candidate that contained the Ebola Zaire strain that caused the West Africa outbreak, the Sudan virus Ebola strain, and Marburg virus, another lethal virus in the same filovirus group as Ebola.

To save lives, the scientists spun off Ebola Zaire in a separate vaccine candidate program to move it quickly forward.

Diagnostics and Drugs

The countermeasures program also developed Ebola diagnostic kits and did early work on the Ebola drug ZMapp.

"We provided a lot of the initial funding [for ZMapp] and we did a lot of the earlier technical development in it," Hassell said, noting that the U.S. Department of Health and Human Ser-

vices and the Canadian government were involved in testing and fielding the drug in its early stages.

The National Institutes of Health National Institute of Allergy and Infectious Diseases and DTRA also invested in ZMapp and the vesicular-stomatitis vaccine that is now in clinical trials.

ZMapp, being developed by Mapp Biopharmaceutical and on a fast track for FDA for approval, is an experimental drug made from monoclonal antibodies licensed from USAMRIID and a Canadian biodefense company. The drug's proteins are grown in the cells of tobacco plants, a technology funded beginning in 2009 by the Defense Advanced Research Projects Agency.

Future Threats

To prepare for future threats, Hassell said, CBDP seeks to develop sensors and other detectors, diagnostics, drugs and vaccines that are as broadly applicable as possible.

To understand future threats, Hassell said, he works closely with intelligence organizations such as the National Center for Medical Intelligence at Fort Detrick.

With NCMI and others, Hassell "sees the current threat environment, how [it's] changing as far as different chemical compounds, different organisms that someone may be taking an interest in, who is taking an interest and what's our relationship to them," he added.

"We continually look at that evolving picture," he said. "We just need to make sure we stay abreast of that [and] prioritize our efforts so they respond to the highest risk elements, buying down the risk."

“Wherever possible you try to [create] an integrated system, so that mask will protect an individual against as broad a spectrum [as possible] of chemical agents. Or [making] sure a vaccine can protect against as many strains as possible.

Dr. D. Christian Hassell

Deputy assistant secretary of defense for chemical and biological defense

Filing taxes and your social security benefit statement

By **NICOLE DECAMPLI**

Social Security District Abingdon

It's that time of year again: time to start preparing to file your taxes. If you receive Social Security benefits, one of the documents you will need when filing your federal income tax return is your Social Security Benefit Statement (Form SSA-1099).

Your Social Security benefits may be taxable. This includes monthly retirement, survivor, and disability benefits. About one-third of people receiving Social Security benefits must pay taxes on some of these benefits, depending on the amount of their taxable income. This usually happens only if you have other substantial income — such as wages, self-employment, interest, dividends, and other taxable income that must be reported on your tax return — in addition to your Social Security benefits. You will never have to pay taxes on more than 85 percent of your Social Security benefits, based on Internal Revenue Service (IRS) rules.

To find out if you must pay taxes on your benefits, you will need your Social Security Benefit Statement (Form SSA-

1099). You should automatically receive your 1099 form each January. It shows the total amount of benefits you received from Social Security in the previous year so you know how much Social Security income to report to the IRS on your tax return. The 1099 form is not available for people who receive Supplemental Security Income (SSI), as SSI payments are not taxable.

Whether you file your taxes early or wait until the deadline, Social Security makes it easy to obtain a replacement 1099 form if you didn't receive one or misplaced yours. You can get an instant replacement quickly and easily by using your secure online "my Social Security" account. If you don't already have an account, you can create one in minutes. Follow the link to the "my Social Security" page, and go to "Sign In" or "Create an Account." Once you are logged in, select the "Replacement Documents" tab to obtain your replacement 1099 form. If you create a "my Social Security" account, you can also use it to keep track of your earnings each year, manage your benefits, and more.

You can also obtain a replacement 1099 form by calling us at 1-800-772-

FORM SSA-1099 – SOCIAL SECURITY BENEFIT STATEMENT		
2015 • PART OF YOUR SOCIAL SECURITY BENEFITS SHOWN IN BOX 5 MAY BE TAXABLE INCOME. • SEE THE REVERSE FOR MORE INFORMATION.		
Box 1. Name	Box 2. Beneficiary's Social Security Number	
Box 3. Benefits Paid in 2015	Box 4. Benefits Repaid to SSA in 2015	Box 5. Net Benefits for 2015 (Box 3 minus Box 4)
DESCRIPTION OF AMOUNT IN BOX 3		DESCRIPTION OF AMOUNT IN BOX 4
<div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); opacity: 0.5; font-size: 4em; pointer-events: none;">SAMPLE</div>		Box 6. Voluntary Federal Income Tax Withheld
		Box 7. Address
		Box 8. Claim Number (Use this number if you need to contact SSA.)
Form SSA-1099-SM (1-2015) DO NOT RETURN THIS FORM TO SSA OR IRS		

1213 (TTY 1-800-325-0778), Monday through Friday from 7 a.m. to 7 p.m., or by contacting your local Social Security office. If you live outside of the United States, please contact your nearest U.S. Embassy or Consulate.

With a "my Social Security" account, gathering your Social Security information for tax season has never been easier. Open your own personal my Social Security account today at www.socialsecurity.gov/myaccount.

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 1971.

By **YVONNE JOHNSON**, APG News

2015

10 Years Ago: Feb. 16, 2006



(Left) Dr. John Graham of MRICD ,right, demonstrates the a portable diagnostic instrument as Assistant Secretary of Defense for Health Affairs Dr. William Winkenwerder Jr. looks on during his visit to APG.



(Right) APG spouse Jennifer Aloisi, left, and her friend Penny McReynolds, clean mud and debris off the ceiling and light fixtures of the Community Prayer Center in Buras, Louisiana, during a mission to help rebuild a church destroyed by Hurricane Katrina.

2010

2000

25 Years Ago: Feb. 20, 1991

1990

(Right) The new Edgewood Area Youth Center is ready for its grand opening set for Feb. 23, 1991.



1980



(Left) Community marchers show their support for troops deployed to Operation Desert Storm during a march from the Aberdeen Festival Park to the APG main gate and back.

1970

50 Years Ago: Feb. 17, 1966

1960

(Right) Gen. Andrew P. O'Meara, USAREUR commander, awards the Distinguished Service for Meritorious Service to Maj. Gen. James W. Sutherland, TECOM commander, right, for meeting a worldwide testing and evaluation commitments.



1950



(Left) Dental poster contest winner Pam Refner, center, receives the first-place price of an electric toothbrush from Lt. Col. Lloyd Jensen, left, APG Troop Support Director, as Lt. Col. Harold Weiss, right, of the APG dental clinic, looks on.

Did You Know?

African-American Inventor George Edward Alcorn is best known for his invention of the Imaging X-ray Spectrometer.



A groundbreaking physicist, Alcorn worked for IBM and NASA, created more than 20 inventions and was granted eight patents. He is considered a pioneer in the field of semiconductor devices and one of the top inventors in the field of aerospace.

Alcorn was born March 22, 1940 in Indianapolis, Indiana to Arletta and George Sr., an auto mechanic. Both parents stressed the importance of a good education to George and his younger brother. He excelled in high school and won an academic scholarship to Occidental College in Los Angeles, California.

He graduated with honors with a degree in physics in 1962 and enrolled in the Nuclear Physics program at Howard University. He worked for North American Rockwell in the company's space division during the summers of 1962 and 1963, on projects involving the NASA Titan and Saturn rockets and Apollo space missions.

Alcorn produced a wide array of products for Philco Ford, a division of the Ford Motor Company, in the early 70s and was selected to teach as an IBM Visiting Professor in Electrical Engineering at Howard University in the early 70s. He joined NASA in 1978 where he invented an imaging x-ray spectrometer which is used to provide data that can be analyzed for a number of applications, including obtaining information about remote solar systems and space objects. The spectrometer was patented in 1984.

For his invention, Alcorn was named the NASA/Goddard Space Flight Center Inventor of the Year. More accolades followed. In 1990 he was named the manager of the year for advanced programs for NASA/GSFC; in 1999 he was awarded the Government Technology Leadership award and two years later received special Congressional recognition for employing technology in the Virgin Islands. In 2006 he was named the Assistant Director for Standard/Excellent - Applied Engineering and Technology Directorate for GSFC.

Alcorn's work as an educator includes positions at both Howard University and the University of the District of Columbia, where he taught courses in electrical engineering. He also was an organizer and mentor for the University of Maryland, Baltimore County's (UMBC) Myerhoff Program, which promotes minority PhDs in science and mathematics.

Editor's Note: To honor Black History Month, each week the APG News will profile an African American inventor who contributed significantly to American society.

By **YVONNE JOHNSON**, APG News
 Source(s): <http://blackinventor.com>; <http://wikipedia.org>; <http://african-americaninventors.org>

Do YOU Know Your CPAC Rep?

What Can CPAC Do For YOU?

Contact Us
410 306-0176

Location
4504 Springfield Street
APG, MD 21005

Hours of Operation
M-F 7:30 AM - 4:30 PM

Discover what we can do for You!

Visit APG News online at
www.TeamAPG.com/APGNews

2016 APG Chapel Easter Services

Easter Sunrise Service

Sunday, March 27 at 7 a.m.
 APG North (Aberdeen) Chapel
 Hot breakfast to follow the service, served by Protestant Men of the Chapel

APG North (Aberdeen) Chapel

Catholic Services		
Sunday, Feb. 21	2nd Sunday of Lent	8:45 a.m.
Friday, Feb. 26	Stations/Soup	6 p.m.
Sunday, Feb. 28	3rd Sunday of Lent	8:45 a.m.
Sunday, March 6	4th Sunday of Lent	8:45 a.m.
Friday, March 11	Stations/Soup	6 p.m.
Sunday, March 13	5th Sunday of Lent	8:45 a.m.
Sunday March 20	Palm Sunday	8:45 a.m.
Friday, March 25	Good Friday	4 p.m.
Saturday, March 26	Easter Vigil	7 p.m.
Sunday, March 27	Easter Sunday	8:45 a.m.

Protestant Services		
All Sunday services at 10:15 a.m.		
Sunday, March 20	Easter Cantata	10:15 a.m.

Protestant Lenten Bible Study & Lunch		
Wednesdays through March 23	Fellowship hall	Noon

Gospel Services		
All Sunday services at noon		
Friday, March 25	The Seven Last Words of Jesus Christ	7 p.m.

APG South (Edgewood) Chapel

Catholic Services		
Friday, Feb. 19	Stations/Soup	6 p.m.
Sunday, Feb. 21	2nd Sunday of Lent	10:45 a.m.
Sunday, Feb. 28	3rd Sunday of Lent	10:45 a.m.
Friday, March 4	Stations/Soup	6 p.m.
Sunday, March 6	4th Sunday of Lent	10:45 a.m.
Sunday, March 13	5th Sunday of Lent	10:45 a.m.
Friday, March 18	Stations/Soup	6 p.m.
Sunday March 20	Palm Sunday	10:45 a.m.
Thursday, March 24	Holy Thursday	7 p.m.
Friday, March 25	Good Friday	4 p.m.
Sunday, March 27	Easter Sunday	10:45 a.m.

Protestant Services		
All Sunday services at 9:15 a.m.		

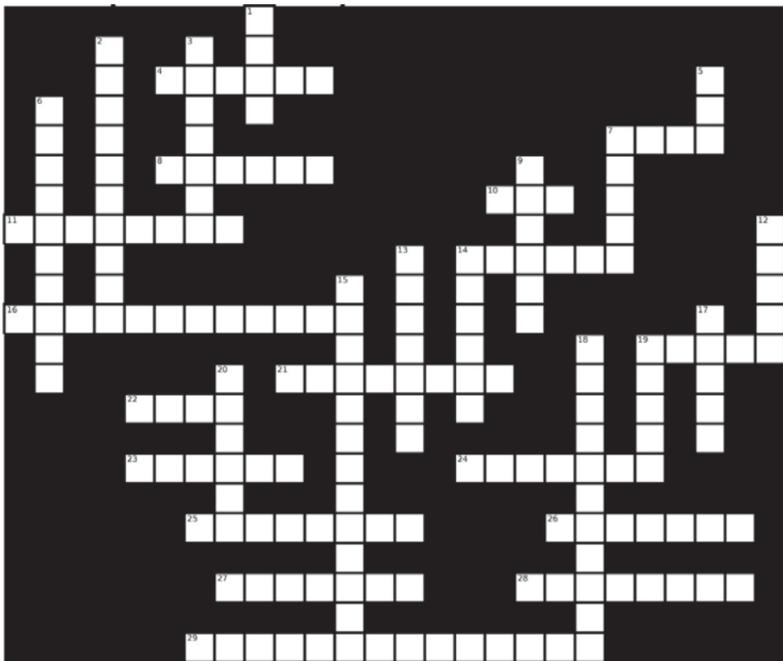
Jewish Holy Days		
Point of contact: Col. Jonas Vogelhut 443-619-2304		
Purim begins Wednesday, March 23 Purim ends Thursday, March 24		
Passover begins Friday, April 22 Passover ends Saturday, April 30		

Stations of the Cross, Soup and Bread

Followed by a study on "The Seven Deadly Sins"
 Every Friday during Lent.
 See APG North and APG South chapel schedules for alternating dates and locations.

For more information about upcoming services and special events, contact the APG Main Post Chapel administrative office at 410-278-4333.

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



The APG Crossword

Presidents Day

By **STACY SMITH**, APG News

Black History Month commemorates the accomplishments and influence of African-Americans throughout U.S. history. The month was chosen in honor of Frederick Douglass and Abraham Lincoln, who were both born in February and are pivotal figures in African-American history. Complete this puzzle to learn more about the influence of African-Americans past and present.

Across

- 4. Composed the "Maple Leaf Rag" which introduced ragtime music to the United States in 1899.
- 7. Last name of the iconic flapper cartoon character who was actually inspired by black Harlem jazz singer Esther Jones.
- 8. The 1964 March on Washington for Jobs and Freedom influenced monumental laws such as the Civil Rights Act of 1964 and laws regarding this civil liberty.
- 10. The 1955 to 1956 Montgomery _____ Boycott, a protest against segregated public facilities in Alabama, was led by Martin Luther King Jr. and lasted for 381 days.
- 11. Escaped slave born in Tal-

- bot County, Maryland who became a leader of the abolitionist movement.
- 14. Harlem music hall which is a noted venue for African-American performers.
- 16. First state to abolish slavery.
- 19. NAACP worker who was murdered in Jackson, Mississippi in 1963. His killer was finally convicted in 1994.
- 21. The _____ Airmen is the popular name of a group of African-American military fighter and bomber pilots who fought in World War II.
- 22. Madam C.J. Walker, the first black millionairess in America,

- invented the world's first _____ straightener. Booker T. Washington worried it would lead to the internalization of white concepts of beauty among African-Americans.
- 23. Maryland woman who escaped slavery in 1849 and began her efforts to rescue enslaved people.
- 24. Abolished institution that is synonymous with cotton farming in the United States.
- 25. First African-American to perform with the New York Metropolitan Opera.
- 26. First name of the civil rights leader who replaced his surname with an "X" to signify his rejection of his "slave" name.
- 27. Prominent female literary figure during the Harlem Renaissance.
- 28. First African-American woman elected to the House of Representatives.
- 29. Time period after which Jim Crow laws that enforced racial segregation were enacted.

Down

- 1. First African-American to host a prime time variety show on national television.
- 2. Dominant leader in the African-American community between 1890 and 1915 and part of the last generation of black American leaders born into slavery.
- 3. When the Civil War ended, freedmen came West with the hope of a better life where the demand for skilled labor was high. So, despite depictions in American folklore, one in four of these types of workers was black.
- 5. Genre of music that is believed by some to be rooted in African-American oral speaking traditions.
- 6. The Civil Rights Act of 1964 signed, banning discrimination based on "race, color, religion, sex or national origin" in _____ practices and public accommodations.
- 7. Instrument that originated in Africa and up until the 1800's was considered an instrument only played by blacks.

- 9. Author who co-founded the National Association for the Advancement of Colored People (NAACP) in 1909.
- 12. Television miniseries in the USA based on Alex Haley's 1976 novel which tells the story of Kunta Kinte, an 18th-century African, captured as an adolescent and sold into slavery in the United States, and follows his life and the lives of his descendants in the U.S.
- 13. U.S. religious group who penned the earliest recorded protest against slavery in 1688.
- 14. Type of musical composition that epitomized the civil rights protest song, "We Shall Overcome."
- 15. The first colony to legalize slavery in 1641.
- 17. 2014 American historical drama film based on the 1965 voting rights marches led by civil rights leaders.
- 18. Legal racial _____ of U.S. schools was ended by federal enforcement of a series of Supreme Court decisions after Brown v. Board of Education in 1954.
- 19. First African-American mass circulation magazine which began publication in 1945.
- 20. U.S. President who ordered the end of racial discrimination in the armed forces in 1948.

Think you solved last week's puzzle? Check out the solution below

Solution to the February 11 puzzle



WORD OF THE WEEK

Fugacious

Pronounced: fyoo-gey-shuh s
Part of Speech: Adjective
Definition:

1. Fleeting; transitory
2. Botany. Falling or fading early.

Use:

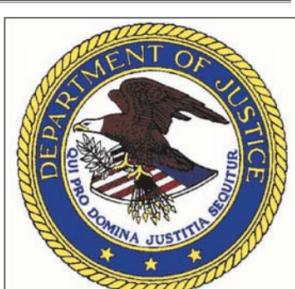
- It was a sensational story with but a fugacious claim on the public's attention.
- Their happy day, however, is soon over; their fugacious petals shrivel in three or four days.
- When you live in Maine, the summer seems fugacious.
- After looking forward all year to your senior prom, you'll find the night so fugacious that it seems to last only an hour.
- She was acutely conscious of her fugacious youth.

By **YVONNE JOHNSON**, APG News
 Source(s): <http://www.oxforddictionaries.com>
<http://dictionary.reference.com>

ACRONYM OF THE WEEK

ENRD

Environment and Natural Resources Division



The Environment and Natural Resources Division, or ENRD, is one of seven litigating components of the U.S. Department of Justice. ENRD enforces civil and criminal environmental laws and programs protecting the health and environment of the United States, and defends suits challenging those laws and programs.

With offices across the United States, the division is the nation's environmental lawyer, and the largest environmental law firm in the country.

It represents the United States in the protection, use, and development of the nation's natural resources and public lands, and litigates on behalf of Native Americans. The head of the ENRD is John C. Cruden, an Assistant Attorney General for the Environment and Natural Resources Division appointed by the President of the United States.

For more information, visit <http://www.justice.gov/contact-us>.

By **YVONNE JOHNSON**, APG News
 Source(s): <http://www.justice.gov>; <http://www.wikipedia.org>

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 #

You can also cut out this completed SUBMIT-A-TIP form and mail it to: 2200 Aberdeen Blvd. APG, MD 21005

Observance honors civil rights activist

Continued from Page 1

ism towards him while he was stationed with the 2nd Engineer Battalion in Korea.

"To this day I still wonder why he was taking his frustration out on me," Gilmore said. "Later that commander apologized, but never gave the reason for his micro aggression towards me. Maybe because I was right down the hallway, or maybe because I was black and unimportant in his eyes."

Despite these challenges, Gilmore said he refused to allow the Army's 'glass ceiling' for African-Americans and other minorities to deter him from pursuing his goals.

"This did not stop my drive, motivation or focus," he said. "I challenge you all to be the best at what you do."

Gilmore said he felt the tide begin to turn in favor of improved race relations and increased Army diversity after 9/11 when he was stationed in Iraq.

"This is when I felt the EEO program truly began to work," he said. "There was plenty of diversity in the leadership chain; and people began to value what you brought to the table, not the color of your skin."

Maj. Dennis Cox, with the Army Test and Evaluation Command, or ATEC, delivered a presentation about the life of civil rights leader and American voting rights activist Fannie Lou Hamer. As the vice-chair of the Mississippi Freedom Democratic Party in the early 1960s, Hamer challenged Mississippi's all-white and anti-civil rights delegation to the Democratic National Convention.

Her personal testimony to the Convention's Credentials Committee about the voter registration ordeals and false imprisonment she experienced so feared President Lyndon B. Johnson that he called an emergency press conference in an effort to divert press coverage.

"She was very influential in what became the 1965 voting rights act," Cox said. "This is an election year and we have had record numbers of people registering to vote. Any time you go to vote,



Photo by Molly Blossie, APG News
Maj. Dennis Cox talks about the contributions of Fannie Lou Hamer to the Civil Rights Movement and the 1965 voting rights act during the installation's annual National African-American and Black History Month observance at the APG South (Edgewood) Stark Recreation Center Feb. 11.

it's based on what she pioneered for 51 years ago."

The program's musical highlights included an a cappella version of "Lift Every Voice and Sing" sung by Renesha Robinson of the Logistics and Readiness

Center, the songs "Lovely Day" by Bill Withers and "Why" by Michael Jackson were performed by rhythm and blues group, The Ruff House Band.

The event also included remarks by event host, Brig. Gen. William E.

King IV the 20th Chemical, Biological, Radiological, Nuclear and Explosives Command, known as 20th CBRNE, Commander. Cultural exhibits and a sampling of traditional African-American soul food followed the observance. Several attendees remarked they felt inspired by Gilmore's keynote speech.

"He (Gilmore) paved the way and helped make the ground level for everyone, so that everybody has an equal chance to progress in rank" said ATEC Lt. Col. Timothy Sugars. "I'm glad he paved the way; I look at him as a pioneer in the military," he said.

Mildred Mial of the Army Materiel Systems Analysis Activity said the program inspired her to learn more about African-American activist Hamer.

"I'm going to do some more research on her," Mial said. "I'm glad she pressed forward and we're where we are today."

Lt. Col. Kenneth Thompson, with the 20th CBRNE Command, said he served overseas with Gilmore and can relate to many of his experiences as an African-American man in the military.

"I've been in the Army for about 26 years now," Thompson said. "I do remember living through some of the same types of experiences that he expressed, some of the overt and covert racism."

Thompson added he's glad to see the Army becoming more diverse and egalitarian.

"I think we've come a long way, which is encouraging," he said. "We have a black president; we have many leaders throughout the country that are of different races. Even our Army is a reflection of that. We're moving in the right direction."

In 1926, American historian Carter G. Wilson established black history week to celebrate the achievements, culture and history of African-Americans. Fifty years later in 1976, the week was expanded to a month long celebration that is recognized nationally every February.

For more information, visit www.africanamericanhistorymonth.gov.

McCoy ready to 'enhance readiness' at CECOM

Continued from Page 1

Korea. He replaces outgoing Command Sgt. Major William G. Bruns, who was recently assigned as the new CSM for U.S. Army Cyber Command, currently based at Fort Belvoir, Virginia. McCoy was officially installed into his new role by CECOM Commanding General and APG Senior Commander Maj. Gen. Bruce T. Crawford during a ceremony held at APG's Myer Auditorium.

"We are here today to say 'good-bye' to a great American and welcome another," Crawford said in his welcoming remarks at Myer. "It is very important to be here today especially when the entire Army is stressing readiness."

Crawford used the quote "No one is more professional than I," in emphasizing the important job expected of a senior leader and in saluting both Bruns and McCoy.

"Those seven words epitomize the role our non-commissioned officers play in our Army. I am always looking for the right fit for this command and that fit will usually involve discussions about family. CSM Bruns and his wife Robin embodied the spirit immensely. And that has had a profound effect on our readiness. There has been no greater voice out there telling the Army story and what CECOM adds to that and all the readiness that addresses."

"CECOM had choices for our next CSM. But CSM McCoy exhibited a depth and a range in his interviews with me. It is never about the rank at this level; rather it is about the ability to make a difference in people's lives. It can be as simple as one email or one phone call. You have to believe in your heart of hearts and you must want to serve. Being here is an honor and a privilege. We had that in CSM Bruns; and I know



Members of the McCoy and Bruns families stand for the playing of the national anthem during a change of responsibility ceremony for incoming CECOM Command Sgt. Maj. Matthew D. McCoy and outgoing Command Sgt. Maj. William G. Bruns.

we will have that in CSM McCoy."

Crawford also welcomed McCoy's wife Karen and daughter Lauryn to CECOM and APG, as another stop in the long and winding Army career experience shared with many other trusted professionals who all call the Army home. McCoy's other children, Zachary and Daniela, are currently in college and were not present at the ceremony.

The change of responsibility ceremony is a military tradition usually conducted when a senior non-commissioned officer, or NCO, leaves a senior

leadership position and a new NCO takes his or her place. The ceremony serves two purposes: to render honors to the departing NCO and provides official recognition of the new NCO leader. The ceremony is a long-standing tradition that reminds the Soldiers that the senior NCO is responsible for order and discipline; it also reminds the NCO of his responsibility to care for the troops.

McCoy thanked those attending with brief remarks.

"I humbly accept this position and will do everything I can to enhance the

readiness of this command," McCoy said at the podium. "I will serve all the while representing myself and my family with honesty, integrity and transparency. Readiness, modernization and focusing on the troops are our priorities."

McCoy was born in Port Jefferson, New York, and entered the Army in 1992 after graduation from high school in Florida. He completed basic training at Fort Jackson, South Carolina, and completed Advanced Individual Training as a 25C Single Channel Radio Operator at Fort Gordon, Georgia.

McCoy can count many assignments in his nearly 25-year Army career including stops at Fort Sill, Oklahoma; Camp Pelham, Korea; Fort Lee, Virginia; Fort Campbell, Kentucky; Fort Bragg, North Carolina and his most recent assignment back in Korea at Camp Humphreys.

Outgoing Bruns, who became the CECOM and APG senior command sergeant major in October of 2014, reflected on his time at CECOM in the not too distant past.

"CECOM is a highly critical organization for this Army and it is highly successful due to the people in it," Bruns said. "The knowledge base inside this organization is amazing. Sometimes, a person just gets blessed and that's what happened to me in coming to CECOM."

"This is an outstanding organization in which I have learned so much. I am sure McCoy can look forward to a similar, rewarding experience."

McCoy's assumption of command completes the CECOM Command Group. Crawford last month completed the installation of Larry Muzzelo as Deputy to the Commanding General and McCoy fills the final open position.

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.campbell@8.civ@mail.mil

Acevedo, Rachel
 Acosta, Jeannie M.
 Adair, Jennifer
 Alba, Audrey
 Barela, Linda M.
 Battle-Hinson, Melinda L.
 Branscome, Teresa A.
 Ciborowski, Steven
 Clark, Lyra
 Clybourn, Angela M.
 Dean-Delbridge, Dawn
 Dennis, Robin N.
 Dennison, Natalie G.
 Dimond, Crystal
 Dissek, Michael J.
 Frankel, Ronald A.
 Gaddis, Lonnie
 Gilley, Christopher M.

Employees eligible for donations in the Voluntary Leave Transfer Program

Hall, Larry L.
 Hampton, Devita D.
 Hardesty, Stacie L.
 Hazel, Wanda L.
 Height, Kristin M.
 Henry, Edwin R.
 Humphries, Theresa
 Johnson, Douglas W.
 Kent, Nathaniel
 King, Sharon M.
 Kubat, Tracey L.
 Kuciej, Andrea D.
 Kyro, Kelly J.
 Malczewski, Stephen V.
 Mancini, Jennifer
 Manos, Gust H.
 Meadowcroft, Catherine
 Meskill, Joseph F.

Mielke, Sylvia A.
 Morgan, Judy A.
 Morrow, Anthony
 Morrow, Patricia D.
 Moss, Jason D.
 Ogbonna, Fanny N.
 Parker, Inger
 Peduzzi, Jill L.
 Pulaski, Michele L.
 Quraishi, Qudsia
 Solomon, Je'Neane
 Thompson, Curtis
 Tisdale, Dorris A.
 Villanueva, Jenny
 Vincelli, Louis
 Winkles, Jeffrey

If you see it, report it
 Aggressive driving has no place at APG
 call 410-306-0550



CYSS staff puts quality care first during training day

Continued from Page 1

opment centers and youth centers, as well as Child and Youth Sports staff members and Family Child Care providers.

CYSS Coordinator Ruth Strauss called the training day a “dream come true.” In previous years, CYSS staff members had to complete required training after center operating hours.

“[Normally] the staff comes in at night for training, after working very hard all day, providing quality care,” she said.

Strauss said having a day set aside allows staff members to meet part of their yearly training requirements.

“They [CYSS staff member] have 24 hours of required training per year, in addition to installation training like TARP [Threat Awareness and Reporting Program] and SHARP [Sexual Harassment/Assault Response and Prevention],” she said.

During the event Family and Morale, Welfare and Recreation Director Michael Lupacchino thanked the staff for their continued support.

“[CYSS] is the most regulated program in the Army,” he said. “So you guys have a tough job each and every day.”

During the day personnel learned about sanitation and food handling, communicable diseases, blood pathogens and Sudden Infant Death Syndrome, or SIDS, from Kirk U.S. Army Health Clinic staff members. Representatives from APG’s Directorate of Emergency Services provided presentations on fire safety, active shooter incidents and First Aid.

In the afternoon, Rebecca Strawn, a service culture educator from the College of Installation Management, gave a presentation on customer service.

After the presentations, staff members attended breakout sessions that focused on team building and fun, educational activities for children.

Karen Johnson, a program manager



Jessica Williams, from the APG South (Edgewood) child development center, answers a question, while Catherina Winn, left, from the APG South youth center, Natacha Zydell, from the Bayside CDC, and others listen during a presentation about sanitation and food handling at the first Child, Youth and School Services training day held at the recreation center Feb. 12.

for the school age program at the APG North (Aberdeen) youth center, said she appreciated the event.

“It makes us feel good, like we are appreciated and respected,” she said. “It brings importance to what we do. We are more than just babysitters. I have been in this game for a long time, and finally people are starting to take us serious (sic).”

Alex Simons, a child youth program

assistant from the APG South child development center, said the event was a good opportunity to network with other child care providers.

“It nice to have a day just dedicated to training, where everyone can get on the same schedule,” he said. “You get to meet other staff members and managers that work in the other centers; it’s nice.”

Strauss said the support from APG

leadership made the event possible. During the training day, CYSS centers provided minimal care depending on need.

Strauss added that CYSS plans to hold another training day in the fall.

For more information about APG CYSS programs, visit <http://www.apgmwr.com/child-youth-school-services/cyss-home> or call Outreach Services 410-278-7571.

PEO ACWA, partners mark milestone at Pueblo

Continued from Page 1

Activity and the Edgewood Chemical Biological Center, successfully eliminated 196 155mm projectiles, 265 105mm projectiles, 88 4.2-inch mortar rounds and 11 Department of Transportation bottles.

The first campaign, which began March 18, 2015, comes before operations at the main plant are scheduled to begin this spring.

PEO ACWA is responsible for managing all aspects of the safe and environmentally sound destruction of the chemical weapons stockpiles in Colorado and Kentucky.

The PCAPP was built to safely and efficiently destroy a stockpile of chemical weapons currently in storage at the U.S. Army Pueblo Chemical Depot.

On March 18, 2015, the first mustard agent from the Pueblo stockpile was destroyed, marking the start of the first campaign before operations at the main plant are scheduled to begin in Spring 2016.

“The operation of the PCAPP EDS was a textbook example of cooperative teamwork, bringing together professionals from our own program executive office; the Joint Program Executive Office, Chemical and Biological Defense; the U.S. Army Chemical Materials Activity; the Edgewood Chemical Biological Center; and from the U.S. Army Pueblo Chemical Depot,” said Conrad F. Whyne, Program Executive Officer, Assembled Chemical Weapons Alternatives.

“Each one of these organizations brought invaluable skills to the operation and contributed immeasurably to the overall program.”

The Pueblo pilot plant utilizes neutralization followed by biotreatment as the technology to destroy munitions containing 2,600 tons of mustard agent. The Army’s Explosive Destruction System, or EDS, augments the baseline technology to destroy problematic chemical munitions that cannot be easily processed through the main plant.

The PCAPP EDS will be decontaminated, and all remaining secondary waste products will be disposed of in strict accordance with Colorado state and federal environmental regulations.



There will be a period of destruction inactivity between the end of this first campaign of PCAPP EDS agent destruction operations and the start of the main plant agent destruction operations. In the future, the PCAPP EDS will be re-activated to destroy munitions that are determined to be unsuitable for automated processing in the main plant.

In September 2002, the Bechtel Pueblo Team was awarded the systems contract to design, construct, systemize, pilot

test, operate and close the plant. The plant has completed construction and work is currently progressing on a variety of facilities to support chemical agent processing, energetic processing, control and storage, munitions storage, biotreatment, entry control, utility, laboratory, personnel maintenance and other tasks.

PEO ACWA is the Department of Defense agency responsible for managing the destruction of the Pueblo chemical weapons stockpile and oversees the

Bechtel Pueblo contract.

As a signatory to the Chemical Weapons Convention, the United States has destroyed nearly 90 percent of its original chemical weapons stockpile, which was successfully completed by the U.S. Army Chemical Materials Activity in January 2012. The remaining stockpiles in Blue Grass and Pueblo represent the 10 percent for which PEO ACWA is responsible.

For more information, visit www.peo-acwa.army.mil.

Vanpoolers needed at APG!

There are several existing vanpools looking for riders as well as individuals looking to start vanpools. Commuters only need to be willing to travel to the designated areas to ride the vanpool. For more information, contact the APG Commuter Center POC, Syreeta Gross, at 410-278-5491 or syreeta.a.gross.ctr@mail.mil.

APG North (Aberdeen) to:

- ◆ Baltimore, MD (Canton-area)
- ◆ Baltimore County, MD (near I-70 and 695)
- ◆ Elkton, MD
- ◆ Philadelphia, PA

APG South (Edgewood) to:

- ◆ Baltimore, MD
- ◆ Delaware
- ◆ Philadelphia, PA



APG SNAPSHOT

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



LEARNING TO BE CAVITY FREE

APG Dental Clinic personnel visited the APG North (Aberdeen) child development center Feb. 10 as part of National Children's Dental Health Month. Dental clinic personnel visited the Bayside CDC Feb. 17 and will visit the APG South (Edgewood) CDC later this month.

- (Clockwise, from top)
 - Declan Monagle, 4, counts his teeth as he learns how to keep them cavity-free.
 - Madison Edge, 4, and her friends gather around Sgt. Tracy Glover, 'Soldier Tooth' and his giant tooth brush after a lesson in good dental hygiene.
 - Ashley Hammen, 4, carefully inspects her cuspids.
 - Dental hygienist Allison Schmider teaches the children that sugary foods 'make their teeth sick.'

Photos by Stacy Smith, APG News



TEAM APG CELEBRATES AFRICAN-AMERICAN HISTORY

Team APG celebrated National African-American and Black History Month during the installation's annual observance at the APG South (Edgewood) Stark Recreation Center, Feb. 11.

- (Clockwise from left)
 - LRC civilian Renesha Robinson sings "Lift Every Voice and Sing" during the National African-American and Black History Month observance.
 - JPEO CBD civilian Antoinette Barnet views an art display featuring works by African-Americans.
 - From right, Maj. Mustafa Kamal and Lt. Col Veronica Magnotto, both with the 20th CBRNE Command, and other attendees enjoy a food tasting immediately following the observance.
 - From right, Ruff House Band members Robert Williams, Raymond Hicks and Stafford Levy, perform a rendition of the Bill Withers song "Lovely Day."

Photos by Molly Blossie, APG News

