



# APG NEWS

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

www.TeamAPG.com

THURSDAY, JULY 9, 2015

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Photo by Erika J. Jordan

The new XM30 Bridge Erection Boat (BEB) maneuvers a bridge bay into position just moments after launch from the Common Bridge Transporter. Advancements in BEB technology were showcased during a demonstration at the Aberdeen Test Center Amphibious Landing Area June 25.

## New boat anchors bridging ops

By **MICHAEL CLOW** and **RAE HIGGINS**  
*PEO Combat Support & Combat Support Service*

While boats don't usually come to mind at the mention of Army systems, the new XM30 Bridge Erection Boat, or BEB, is certain to turn more than a few heads in and outside the Engineer Regiment. These force projection-

enabling vessels and their capabilities were demonstrated at Aberdeen Proving Ground June 25.

Acquisition officials assigned to the Army's Product Management Office for Bridging showcased the BEB, the most recent addition to the Engineer Regiment's equipment portfolio, at the Aberdeen Test Center Amphibious Landing Area.

The demonstration was designed to educate key individuals from across the program's stakeholders about the BEB, its role in enhancing and enabling maneuver and sustainment, and its advantages over the legacy system.

The visitors, including senior leaders from the Army's acquisition, test, and programming communities, as well as Congressional staffers, climbed aboard

BEBs to get an up-close look at how they operate and their role in employing the Improved Ribbon Bridge, or IRB.

The BEB, the IRB and their transporter are required to construct and retrieve up to 210 meters (nearly 690 feet) of floating bridge. The IRB is used to transport weapon systems, troops and

**See BOAT, page 17**

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#### RECREATION

APG youth learn to 'bend it like Beckham' at annual British soccer camp.

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#### GREENING

ARL 'greens' civilian employees, providing insight into the warfighter's experience.

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Take advantage of summer weather and move your workout outdoors.

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#### TECHNOLOGY

An exoskeleton device may reduce tremors, improve marksmanship for Soldiers.

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### online

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flickr.com/photos/usagapg/

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

## Mikulski visits ECBC rapid tech lab

*Edgewood Chemical Biological Center*

U.S. Sen. Barbara Mikulski (D-MD) visited the U.S. Army Edgewood Chemical Biological Center, known as ECBC, July 2 to reaffirm her support for ECBC as a regional and national leader in additive manufacturing technology and to emphasize the need for collaboration with industry and academia.

Mikulski visited ECBC's Advanced Design and Manufacturing Rapid Technologies Laboratory, a state-of-the-art facility equipped with a wide selection of high-end additive manufacturing and 3-D data capture capabilities.

"Part of the reason I'm here today is to explore jobs for the 21st century," Mikulski said. "This type of innovation is exactly what we need."

The Rapid Technologies Laboratory is staffed by an experienced, award-winning workforce supported by more than \$25 million in equipment, including 10 additive printers. The result is the ability to produce functional parts within hours of design concept, to scan items for rapid replication, and to scan equipment users to produce custom-fitted pieces of equipment. The Rapid Technologies Laboratory is a one-stop shop where industry-leading experts can apply additive manufacturing technology to provide solutions for customers.

The senator viewed a suite of additive manufacturing capabilities with applications across the military, commercial, and academic fields. One display, in particular, struck a chord. On Oct. 15, 2001, several suites of the Hart Senate Office Building in Washington, D.C. became contaminated by the release of anthrax

**See MIKULSKI, page 18**

ECBC Senior Engineering Technician Richard Moore explains recent developments in additive manufacturing while ECBC Director Dr. Joseph Corriveau, and Senator Barbara Mikulski look on.

Photo by ECBC Communications



## Team APG to celebrate ACS 50th Anniversary

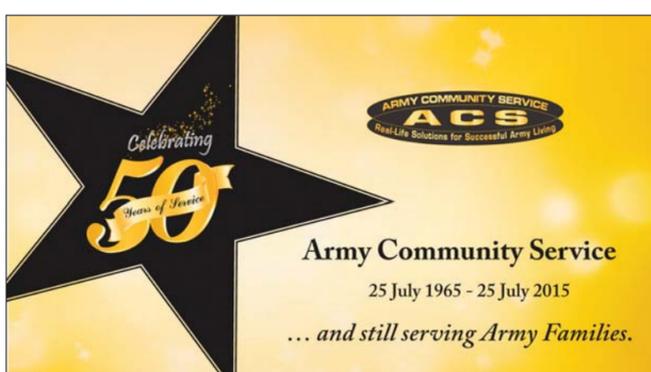
By **AMANDA ROMINIECKI**  
*APG News*

Team APG is invited to celebrate the 50th Anniversary of Army Community Service during a family-friendly event at the APG North (Aberdeen) bowling center and adjacent grounds Friday, July 17 from noon to 4 p.m.

Open to the entire community, the celebration will include bounce houses, face painting and games, as well as displays and program information about the services offered by ACS.

"This is an exciting time for ACS – the anniversary provides us with the opportunity to promote all that we have to offer while also allowing the community to celebrate with us," said ACS Officer Linda Edwards. "Each year, ACS holds a birthday celebration,

**See ACS, page 18**



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## STREET TALK

**Several East Coast shark attacks have made the news recently. Are you concerned about shark attacks this summer?**

"I think it's probably something that's gotten heightened attention...most likely there's no more incidents than there were in the past. But I have kids and they love to go in the ocean, so it does make me slightly nervous."



**Laura Buoncristiano**  
Delaware National Guard

"I think about it. I have grandkids that live on the Jersey Shore, and they often go to the beach. When you see the results of what has happened to the people that were attacked...it does concern me."



**Diane Daniels**  
CECOM

"Most of it's based on the feeding pattern of the fish that the sharks follow and the Gulf Stream. So if the Gulf Stream comes in close, the fish are in close, the sharks are in close. And that occurs every so many years. You just have to watch out and don't go out there swimming."



**Venis Knight**  
USAASC

"That's a lot of shark attacks for such a short span of time. It's not really something I think about all the time, because I'm not in the water a whole lot."



**Sgt. Stephanie Fematt**  
KUSAHC

"I'm not much of a beach guy because of sharks. I think I was traumatized when I saw 'Jaws' as a little kid. I wouldn't even go in the bathtub then. Its concerning, especially because they had 10 attacks in something like two weeks in North Carolina. So I'm not a big fan of the beach; that's why I have a pool in my backyard."



**Roger Guillemette**  
PEO-3CT



Courtesy photo

# Prevent summer brushfires

By **T.C. GLASSMAN**  
DES Fire Inspector

While this summer is off to a wet start – one of the wettest on Maryland record – the season can quickly turn hot and dry, creating ideal conditions for brush and wildfires.

Wildfires may not come to mind in this area of the country, but brushfires in Harford County and the surrounding area do occur. All it takes is a stray cigarette or a bonfire left unattended for a brushfire to ignite.

In fact, APG's Directorate of Emergency Services has responded to several brushfires on post in the past few years – often caused by a still-smoldering cigarette tossed into dry grass. These fires might start in the grass, but if undiscovered, can quickly spread to nearby buildings.

Smokey the Bear and the U.S. Forestry Service recommend following these tips for preventing brush and wildfires:

- **Do not toss cigarettes on the ground or from a moving vehicle.** Always grind out a cigarette in the dirt – not a tree stump or log.

- **Do not leave a bonfire unattended.** Stay with the fire until it is completely out. Drown the smoldering embers with water, turn over the ashes and drown it again. Repeat several times.

- **Know how to build a proper campfire pit.** Pick a spot that is downwind, and clear a 10-foot area around the fire pit. Dig a hole about a foot deep and circle the pit with rocks. Only use dry wood and keep a bucket of water nearby. Similar rules apply for burning leaves and yard clippings.

- **If towing, make sure chains aren't dragging.** If you tow

boats, jet skis or other large items, don't let the chains drag against the ground. The friction can cause sparks.

- **Dispose of charcoal briquettes properly.** Allow the briquettes to cool completely or immerse them in water. Never toss them into grass or dirt. Only dispose of in a metal trash can with a secure lid.

The National Fire Protection Association recommends the following tips to protect your home from a brushfire.

- Clear leaves and other vegetative debris from roofs, gutters, porches and decks.

- Remove dead vegetation and other items from under the deck or porch, and within 10 feet of the house.

- Screen in areas below patios and decks with wire mesh to keep debris from accumulating.

- Remove flammable materials (wood piles, propane tanks, etc.) within 30 feet of your home's foundation or outbuildings like a garage or shed. If it can catch fire, don't let it touch your house, deck or porch.

- Keep your lawn hydrated and maintained, as allowed by local watering restrictions. If you can't water it or it is brown, cut it down to reduce fire intensity.

- Don't let debris and lawn cuttings linger. Collect and dispose of them quickly.

- Inspect roof shingles or tiles, cover exterior attic vents and enclose eaves using mesh to prevent ember entry in the event of a fire.

For more fire safety information, visit [www.smokeybear.com](http://www.smokeybear.com); [www.nfpa.org](http://www.nfpa.org); [www.usfa.fema.gov](http://www.usfa.fema.gov) or [www.fs.fed.us/fire](http://www.fs.fed.us/fire).



## 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 June.

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

**Calls for Service**

**FIRE: 108**

- Fire Alarms – 52
- Mutual Aid\* – 19
- Watercraft Emergencies – 4

**MEDIC: 31**

- Chest Pains – 3
- Unconscious person – 1

**POLICE: 548**

- Alarm Activation – 274
- 911 Hang-ups – 21
- Traffic Accidents – 10

- Active Warrants – 1

**Citations**

**TOTAL: 310**

- Warning Citations – 196
- Non-Warning Citations – 114

**Arrests**

**TOTAL: 18**

- Traffic Related – 10
- Warrant Arrests – 2
- DUI/Alcohol Related – 1

## APG SEVEN DAY FORECAST



## 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, 410-278-1153. Printed circulation is 5,200.

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

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# Linking the Army network with partner agencies

## New capability tested during Joint Users Interoperability Comms Exercise at APG

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

An orchestra sounds better if everyone's on the same sheet of music. Having everyone on the same sheet of music also applies to all participants in a military operation or homeland security emergency response.

Trouble is, the Department of Defense, Department of Homeland Security, first responders like the National Guard and State Police, as well as partner-nation militaries, are all on different sheets of music, since each developed its own unique network, which may or may not communicate well with the others, John Kahler said.

Rather than rebuild a new, compatible network for everyone from scratch – an undertaking that would be prohibitively expensive and time-consuming – a bridging capability called Multimedia Gateway, or MMG, was developed to facilitate cross-talk between existing networks, even legacy ones, he said.

Kahler, an Army civilian, is chief of the Joint On-demand Interoperability Network, or JOIN. He and cyber warriors from every military branch and 11 partner nations, including Poland, were at Aberdeen Proving Ground in June participating in the 22nd annual Joint Users Interoperability Communications Exercise, or JUICE, a U.S. Army Communications-Electronics Command event sponsored by the U.S. Strategic Command.

This was the first year MMG was incorporated into JUICE, with the Federal Emergency Management Agency, or FEMA, participating in a successful validation process, he said.



Joe Marinich, participating in the Joint Users Interoperability Communications Exercise at Aberdeen Proving Ground, June 24, uses a Multimedia Gateway to allow the Federal Emergency Management Agency to communicate with various Army National Guard units and the Marines at Camp Pendleton, California.

Validation means that MMG was rigorously tested to ensure FEMA communications flowed smoothly across the DOD and other agencies. All of the testing took place in a hostile, real-world, real-time environment, he said. There was nothing academic about it.

It was considered hostile because state and non-state actors were actively trying to hack into the system. The Army shared its tactics, techniques and procedures, or TTPs, with FEMA for dealing with all the mischief, he added.

It's a big deal that FEMA and DHS are actively participating in JUICE this year and are adopting MMG, Kahler said, because of Executive Order 13618 of July 6, 2012, "Assignment of National Security and Emergency Preparedness Communications Functions."

Now, besides just the military having secure communications during an emergency, other agencies have developed "new, out-of-band communications capability for continuity of government and state communications

in the event we lose current communications infrastructure," he said. "When you start supporting executive orders, that's pretty significant."

Executive Order 13618 was predated by the original order going back to President Abraham Lincoln, authorizing the Army to take over commercial communications in advent of an emergency, Kahler said, noting that the telegraph was the Internet of those times.

Bruce Oehler, a contractor for MMG, explained that continuity of government doesn't just include people in data centers.

Anyone with a phone, iPad, radio or laptop anywhere could be authenticated and log onto the secure network. So DHS drone images, for example, could be shared with the Guard and the Guard could share its imagery or other content, he said.

Even hospitals and fire stations are using MMG, he said, since they're also an integral part of the first responders.

Besides using MMG to communi-

cate with the Department of Defense at JUICE, DHS is learning to monitor its network for attacks by reviewing logs to find peculiar patterns, Oehler said. Attacks can even come from addresses or countries considered normally safe, he said. "We know what networks are supposed to be doing so we can detect differences" in normal traffic and pick out anomalies.

Should an anomaly occur, DHS personnel are learning how to isolate that portion of the network so possible infections don't spread. Rules or protocols are used to contain any damage. Protocols are continually updated and revised as new threats emerge.

Kahler said that a Red Team or opponent force doesn't need to be created at Aberdeen or within the Department of Defense, because it's under continual attack.

He added that it's a lot better getting all the communication pieces in place now, rather than in a time of war or national emergency.



## Crawford talks leadership with local public schools

APG Senior Commander Maj. Gen. Bruce T. Crawford speaks with Pamela W. Zeigler, Principal of Joppatowne High School, during the Harford County Public School Leadership session at Patterson Mill Middle/High School June 23.

During the leadership session, Crawford met with more than 350 Harford County Public Schools superintendents, school administrators and teachers.

Crawford spoke about the challenges of tomorrow's strategic environment, opportunities for community partnerships with APG and shared a few thoughts on leadership.

"Teachers play a major role in shaping the minds of our future Soldiers and leaders," Crawford said. He and his wife Dianne thanked all of the dedicated academic professionals for posturing "our next greatest generation" for success.

Photo by Kristopher Joseph

## Army recognizes MRICD safety, occupational health standards

By **CINDY KRONMAN**  
MRICD

In recognition of the successful implementation of the Army Safety and Occupational Health (SOH) Management System, the U.S. Army Medical Research Institute of Chemical Defense received the prestigious Army SOH Star Award, June 30.

During a ceremony in the lobby of the institute's new building, the SOH Star flag was presented to MRICD Commander Col. Roman Bilynsky by Maj. Gen. Brian Lein, commanding general of the U.S. Army Medical Research and Materiel Command.

MRICD is the first U.S. Army Center of Excellence, as well as the first MRMC unit in the contiguous U.S. to achieve Army SOH Star status.

Lein congratulated the staff on their achievement of becoming a "high reliability" organization in only two years, something, he said, many organizations are never able to fully realize.

The Army SOH Management System is based on the Occupational Safety and Health Administration's Voluntary Protection Program. To achieve Star status MRICD had to complete 243 performance-based tasks, spread across three phases, in four subject areas: management leadership and employee involvement; worksite analysis; hazard prevention and control; and safety and health training.

The institute exceeded the standards in all areas of the SOH Management System. As a result of implementing the program, the MRICD is 36 percent below the national benchmark for all injuries and 12 percent below the industry benchmark for injuries resulting in lost time or transfer.

Lein also cautioned the staff about the inherent risks of moving from a facil-



Photo by Darrell Jesonis

From left, Maj. Gen. Brian Lein, commander of the U.S. Army Medical Research and Materiel Command; MRICD Safety Office staff members Gregory Smith, Jade Makfinsky, Larry Presley, and Travis Lindeblad; MRICD senior enlisted advisor, Master Sgt. Joretha Carodine; and MRICD Commander Col. Roman Bilynsky hold the Army Safety and Occupational Health Star flag that was awarded to MRICD during a June 30 ceremony.

ity with which they are familiar and comfortable into a new building where everything is new and different.

"So this is actually your biggest challenge," Lein said. "Taking the concepts and the tenants of what you learned from getting yourself to that Star status and not allowing complacency to set in, but actually using those tools that got you to where you are now to have a completely safe transition into this new building... and taking the Army Star status and

pushing it even further ahead of where you are today."

Lein then challenged the staff to celebrate, in one year's time, the rededication of the Star flag presentation without having a single lost day of work or a single accident during their transition to the new facility.

Additionally, during the ceremony, Bilynsky commemorated the 34th anniversary of the organization's redesignation as the U.S. Army Med-

ical Research Institute of Chemical Defense, which officially took place June 30, 1981. Prior to that, the organization was known as the U.S. Army Biomedical Laboratory.

Bilynsky briefly described the history of the MRICD and then presented numbered Commander's Coins to employees Sharon Cullum, number 39, and Dr. Tony Shih, number 37, whose years of service with the organization began prior to the redesignation.



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

# British soccer camp returns to APG

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

Sixty-eight APG children, ages 3 to 14, are enhancing their soccer skills this week during the Challenger Sports British Soccer Camp held at the Child, Youth and School Services soccer field July 6-10.

The popular summer camp, hosted annually by CYSS Sports, features experienced coaches who are trained primarily in the United Kingdom. Challenger Sports runs more than 4,000 professionally-staffed summer camps and year-round coaching programs for players of all ages and abilities. APG CYSS Sports has hosted this camp for more than a decade.

This year's coaches are Kieran Brennan from England, Jordan Thompson from Northern Ireland, Liam Maher from the Republic of Ireland, Andrew Besley from Wales and Joao Cunha from Brazil. For the duration of the camp, the coaches stay with host families from the APG community.

Each day the coaches teach soccer fundamentals ranging from dribbling, passing, shooting, tacking and defending. In the afternoon, the older children participate in scrimmages and competitions.

The children are divided into different "countries" to compete for the "World Cup," which is awarded on the last day of camp. Campers who demonstrate good sportsmanship receive the "Most Valuable Player" award for the day.

In addition to soccer fundamentals, the camp is about exploring different cultures. The children are challenged to research and learn more about their team's country to receive more World-Cup points.

Maher said there are many perks that come along with being a Challenger Sports coach, like traveling, meeting new people and experiencing the American culture. He added that he enjoyed cheering for the U.S. team as they won the Women's World Cup July 5.

"It is very promising to be a soccer coach in America," he said. "There is a lot more enthusiasm for the game here now. I think in the next 10 years soccer is going to grow [in popularity]."

Cunha said coaching in America has



From left, Janaiya Wimberly, Isabelle Toni, and McKenna Snow scramble for the ball while Wimberly's teammates Alyssa Toni and Catlin Miaullis look on during a soccer scrimmage at the Child, Youth and School Services soccer field July 6. The scrimmage was part of the Challenger Sports British Soccer Camp hosted by CYSS Sports July 6-10.

been a "great experience." During the school year Cunha attends college in Brazil, and is majoring in physical education.

"I like seeing their improvement; by Friday they are better [soccer players]," he said.

Watching from the sidelines, Marielys Candelaria, a civilian spouse, said that her children, Andre, 5, and Valeria,

3, look forward to attending the camp all year.

"They love it," she said. "The soccer coaches are really engaged with the kids and they make it fun," she said. "Our family participates in many CYSS activities – the prices here are better than off post."

"This camp is the best," said Andre Candelaria. "I love sports."

Caitlin Miaullis, 14, said she attended the camp to polish up her soccer skills.

"I just want to have fun, get some exercise and see if I want to join a soccer team," she said.

For information about upcoming CYSS Sports activities, contact CYSS Sports Director Bill Kegley at 410-306-2297 or visit [www.apgmwr.com](http://www.apgmwr.com).

## BY THE NUMB#RS

### A summertime favorite

July is National Watermelon Month. Here are some interesting facts about this ubiquitous summertime fruit.

**5,000**

Approximate number of years since the first recorded watermelon harvest, which was depicted in Egyptian hieroglyphics on the walls of ancient buildings.

**1,200+**

Varieties of watermelon grown worldwide.

**350.5**

Weight, in pounds, of the world's heaviest watermelon. It was grown by Chris Kent of Sevierville, Tennessee and verified by the Great Pumpkin Commonwealth Oct. 4, 2013.

**92**

Percentage of water content in a watermelon. Watermelon is a healthy snack that can help prevent dehydration during the hot summer months.

**43**

Number of calories in a cup of diced watermelon.

**5**

Main types of watermelon: seeded, seedless, mini, yellow and orange.

By **RACHEL PONDER** APG News  
Source(s): [www.medicalnewstoday.com/](http://www.medicalnewstoday.com/)  
[www.grantfarms.com/](http://www.grantfarms.com/)  
[www.guinnessworldrecords.com/](http://www.guinnessworldrecords.com/)

# MARK YOUR CALENDAR

## events&town halls

### FRIDAY, JULY 17

#### ARMY COMMUNITY SERVICE 50TH BIRTHDAY CELEBRATION

Team APG is invited to celebrate the 50th Anniversary of Army Community Service during a family-friendly event at the APG North (Aberdeen) bowling center and adjacent grounds Friday, July 17 from noon to 4 p.m.

Open to the entire community, the celebration will include bounce houses, face painting and games, as well as displays and program information about the services offered by ACS.

For more information call 410-278-7572/4372.

### WEDNESDAY, JULY 22

#### GARRISON CHANGE OF COMMAND CEREMONY

Davis D. Tindoll, director of U.S. Army Installation Management Command, Atlantic Region, invites Team APG to a change of command ceremony during which APG Garrison Commander Col. Gregory R. McClinton will relinquish command to Col. James E. Davis.

The ceremony will take place at 10 a.m. at the APG North (Aberdeen) post theater.

### WEDNESDAY AUGUST 5

#### EMPLOYMENT RESOURCE DAY & EXPO

APG Army Community Service, in partnership with the APG Military Personnel Office/Directorate of Human Resources, the Susquehanna Workforce Network, and Department of Labor Licensing & Regulation, Local Veterans Employment Representative, will offer an Employment Resource Day & Expo at the APG North (Aberdeen) recreation center open to all job seekers in the community.

Attendees should dress in business attire and bring plenty of resumes.

For more information, call the Army Community Service Employment Readiness Program at 410-278-9669/7572.

### TUESDAY SEPTEMBER 1

#### 2ND GARRISON PROFESSIONAL DEVELOPMENT TRAINING SYMPOSIUM

The APG Garrison and the Directorate of Human Resources are proud to announce the installation's 2nd Garrison Professional Development Training Symposium Sept. 1 from 8 a.m. to 4 p.m. at Top of the Bay.

More details are to follow. For more information, contact Celestine Beckett at 410-306-2333 or celestine.beckett.civ@mail.mil.

## meetings&conferences

### THURSDAY JULY 16

#### WOA "SILVER" CHAPTER QUARTERLY MEETING

The U.S. Army Warrant Officer Association's Aberdeen-Edgewood "Silver" Chapter will hold its quarterly meeting 11:30 a.m. to 12:45 p.m. 16 July 2015 at the APG North (Aberdeen) recreation center, Bldg. 3326.

For additional information please contact CW4(R) Jesse Fields at: 410-278-9673/908-956-3368 or jesse.p.fields.ctr@mail.mil

For more information about the WOA Aberdeen-Edgewood chapter, visit <http://www.apgwoa.org>.

### FRIDAY JULY 24

#### CBRNE GREEN DRAGON BALL

Celebrate the 97th year of the U.S. Army Chemical Corps during the Annual National Capitol Region 2015 Joint CBRNE Green Dragon Ball starting 6 p.m. at The Waterford, 6715 Commerce Street, Springfield, Virginia 22150. This event will be hosted by Lt. Gen. Thomas W. Spoehr, director, Army Office of Business Transformation, Office of the Under Secretary of the Army. The keynote speaker is Brig. Gen. William E King IV, Deputy ACoS, G3/5/7, U.S. Army Forces Command, Fort Bragg, North Carolina. To RSVP, register, or for more information, visit the Green Dragon Ball website at <http://www.ecbc.army.mil/greendragonball/> or email usarmy.APG.ecbc.mbx.green-dragon-ball@mail.mil.

### WEDNESDAY AUGUST 19

#### 31ST ANNUAL WOMENS EQUALITY DAY OBSERVANCE

Edgewood Chemical Biological Center (ECBC) and Team APG Federal Women's Program invite the community to attend the 31st annual APG celebration of Women's Equality Day (WED), 9:30 a.m. at the APG North (Aberdeen) recreation center ballroom.

During the observance, APG's Outstanding Woman of the Year, Outstanding Supervisor/Manger of the Year, and Activity Most Supportive of FWP Goals will be recognized. Maj. Gen. Linda Singh, Maryland National Guard Adjutant General, will serve as guest speaker. This year's theme is "Women's Right to Vote"

For more information, contact Elizabeth Young, 410-278-1392, elizabeth.h.young.civ@mail.mil.

## health&resiliency

### TUESDAY JULY 15

#### CARE FIRST BCBS CLAIM REP VISIT

The Civilian Personnel Advisory Center has made arrangements for a claim representative of Care First Blue Cross/Blue Shield tative of Care First Blue Cross/Blue Shield to be available 9:30 to 11:30 a.m. in the APG North (Aberdeen) recreation center, Bldg. 3326, room 120, to discuss claim issues and plan coverage. The representative will also be available 12:30 to 1:30 p.m., in Bldg. E2800 (JPEOCBD), rooms 103/104 in APG South (Edgewood). No appointment is necessary.

For more information, contact Teri Wright, 410-278-4331 or teresa.l.wright28.civ@mail.mil.

### THURSDAY JULY 16

#### C4ISR HEALTH EXPO

CECOM will host an "Enhancing Resiliency- Strengthening Our Professionals" health expo 11 a.m. to 1 p.m. at the Mallette Mission Training Facility, Bldg. 6008 on the C4ISR campus.

Activities include weight loss circuits and seated massage; health screenings for vision, blood pressure, fat analysis and more; with topics on self-defense education; stress and weight management; financial wellness, sleep disorders, commuter information; nutrition; life insurance and much more.

Representatives on hand will include the APG Army Wellness Center; Army Substance Abuse Program; Family and Morale, Welfare & Recreation; Army Community Service; and various health care providers.

Door prizes and promotional giveaways will be available.

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

### JULY 21, 23 & 28

#### DENTAL CLINIC CLOSURE

The APG South (Edgewood) dental clinic will be closed Tuesday, July 21; Thursday, July 23; and Tuesday, July 28 due to provider shortage. All patients will be routed to the APG North (Aberdeen) Dental Clinic.

For more information, contact Sgt. 1st Class Tasheva Pouncey, senior dental NCO, at 410-278-1795 or tasheva.l.pouncey.mil@mail.mil.

### WEDNESDAY JULY 22

#### PERRY POINT VETERANS OPEN HOUSE

The VA Maryland Health Care System and the Baltimore VA Regional Office will host a Summer of Service Open House, Navigation Seminar & Town Hall 1 to 4 p.m. in the Gymnasium, Bldg. 314, at the Perry Point VA Medical Center in Perryville, Maryland.

VA staff will be on hand to help veterans apply for VA health care and compensation benefits and to answer questions about VA Maryland Health Care System and the Baltimore VA Regional Office services. During a Navigation Seminar & Town Hall, from 2 to 3:30 p.m. in the medical center theater, veterans will learn about specific programs and services offered by the VA Maryland Health Care System and the Baltimore VA Regional Office. Veterans applying for VA services should bring a photo ID and financial information from the previous year as well as their DD-214 (discharge papers), though it is not required. Veterans seeking claim related issues should contact the Baltimore VA Regional Office at 410- 637-6950 to ensure they bring the appropriate documents.

This event is free and open to military veteran and their families.

For more information, call the Community Outreach Office for the VA Maryland Health Care System at 1-800-949-1003, ext. 6071.

### FRIDAY JULY 31

#### SCREAMING ABOUT SCREENINGS INFO SESSION

The C4ISR Wellness Committee will host a Screaming About Screenings Informational Session, 11:30 a.m. to 12:30 p.m. at Bldg. 6001, second floor, room 224, in the ACC Training Room. This event, open to APG civilians, contractors and military, includes screenings and tests that are important parts of disease prevention. Visitors will learn the importance of keeping up with preventive screenings, understanding the numbers, and scheduling regular checkups.

Non-C4ISR employees must register to attend by July 15.

To request sign language interpreters or other disability-related accommodations, contact the CECOM EEO Office at 443-861-4355 by July 7.

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

#### DENTAL CLINIC CLOSURE

The APG Dental Clinic will open for sick call 7 to 8:30 a.m. and then close for

the remainder of the day for Commander's Call. For more information, contact Sgt. 1st Class Tasheva Pouncey, senior dental NCO, at 410-278-1795 or tasheva.l.pouncey.mil@mail.mil

## ONGOING

#### ARMY WELLNESS CENTER AT APG SOUTH CLINIC

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

- July 23, 29
- Aug 13, 25
- Sep 10, 22

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

## 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:

- July 11
- August 8
- September 12
- October 10

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

## THROUGH 2015

#### 2015 CPR, AED CLASS SCHEDULE

The APG Directorate of Emergency Services has announced the CPR/AED class schedule for 2015. Classes are open to the entire APG community.

July 15 – APG North Chapel, Bldg. 2485 – 9 a.m. and 1 p.m.

Aug. 19 – APG South Conference Center, Bldg. E4810 – 9 a.m. and 1 p.m.

Sep. 16 – APG North Chapel, Bldg. 2485 – 9 a.m. and 1 p.m.

Oct. 21 – APG South Conference Center, Bldg. E4810 – 9 a.m. and 1 p.m.

Nov. 18 – APG North Chapel, Bldg. 2485 – 9 a.m. and 1 p.m.

Dec 16 – APG South Conference Center, Bldg. E4810 – 9 a.m. and 1 p.m.

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

## family&children

### JULY 13-17

#### VACATION BIBLE SCHOOL

The APG Main Post Chapel will host Everest Vacation Bible School July 13-17, free to children pre-school through sixth grade from 5:30 to 8:30 p.m. Monday and 6 to 8:30 p.m. Tuesday through Friday.

Children will participate in Bible-learning activities, singing, team-building activities and interactive games. Each day concludes with a Summit Celebration at 8 p.m., when parents are invited to attend and see what their children learned that day.

Space is limited. To register, visit <https://www.groupvbspro.com/vbs/ez/APGChapel-vbs2015>.

For more information, or to serve as a volunteer, call John Mark Edwards, director of religious education, at 410-278-2516.

## miscellaneous

### THROUGH JULY 31

#### HYDRANT FLUSHING

The annual hydrant flushing at APG starts June 22 and run through July 31, Monday through Friday, 7 a.m. to 3 p.m. The schedule is tentative and will be followed as closely as possible.

- July 6-10: 4000, 5000 and 6000 building blocks
- July 13-17: Plumb Point Loop, restricted areas
- July 20-24: ARL, restricted areas
- July 27-31: ARL, restricted areas

For more information, contact government representative, Dennis Overbay at 443-206-8910 or City of Aberdeen representative, Roger Hall at 410-272-1449

## ONGOING

#### HOT WORK PERMIT

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

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

Please give 24 hours notice prior to the work or event. Leave a message if there is no answer. For more information, call 410-306-0001.

## THROUGH 2015

#### MOTORCYCLE SAFETY COURSES

Training schedules have been set for the 2015 Local Hazards Course and Intermediate Driver's Course. Training will be held in Bldg. 4305 Susquehanna Avenue, room 243A. Attendees must register online at AIRS through the [www.TeamAPG.com](http://www.TeamAPG.com) web site at <https://apps.imcom.army.mil/airs/>.

#### Local Hazards Course:

This is a 30-minute course is for personnel who are new to APG. It is a mandatory course for all APG service members, family members, DOD civilians, and contractors who are licensed motorcycle drivers. Those on temporary duty (TDY) at APG for more than 30 day also are required to take the course. Additional classes will be added as needed.

**Course time:** 7:30 to 8 a.m. and 8:15 to 8:45 a.m.

**Course dates:** July 9; Aug. 13; Sept. 17; Oct. 8; Nov. 12; and Dec. 10.

#### Intermediate Driver's Course:

This two-and-one-half hour course builds on themes introduced during the Introductory Course 1 taken during basic and advanced individual training. This course is mandatory for service members age 26 and younger and may be used to satisfy the remedial defensive driving course. Additional classes will be added as needed.

**Course time:** 9 to 11:30 a.m.

**Course dates:** July 9; Aug. 13; Sept. 17; Oct. 8; Nov. 12 and Dec. 10

For more information, contact H. Mike Allen at the Installation Safety Office at 410-306-1081 or horace.m.allen.civ@mail.mil.

## THROUGH 2015

#### RETIRING SOON? UNCLE SAM WANTS TO THANK YOU!

Are you an APG Soldier or civilian nearing retirement from government service? Consider participating in the monthly Installation Retirement Ceremony.

The APG Garrison hosts the event the last Thursday of each month –except November – and the first Thursday in December, at the Dickson Hall (Ball Conference Center).

All Soldiers and civilians are eligible to participate in the Installation Retirement Ceremony regardless of unit or organization.

This is a program designed to thank retiring personnel for their loyalty and perseverance and for the sacrifices they endured while serving the nation. Retirees are encouraged to participate and to share this day with family members and friends.

For more information, contact Lisa M. Waldon, Garrison Training Operations Officer, at 410-278-4353 or email [lisa.m.waldon.civ@mail.mil](mailto:lisa.m.waldon.civ@mail.mil).

## ONGOING

#### SOUTH DAKOTA VETERANS BONUS

South Dakota is paying a bonus to members of the Armed Forces who were legal residents of the state for no less than six months immediately preceding their period of active duty and who served on active duty during one or more of the following periods:

August 2, 1990 to March 3, 1991 – All active service counts for payment.

March 4, 1991 to December 31, 1992 – Only service in a hostile area qualifying for the Southwest Asia Service Medal counts for payment.

January 1, 1993 to September 10, 2001 – Only service in a hostile area qualifying for any United States campaign or service medal awarded for combat operations against hostile forces counts for payment.

September 11, 2001 to a date to be determined – All active service counts for payment.

Veterans with qualifying service from Aug 2, 1990 to Dec 31, 1992 [Desert Storm] may receive one bonus of up to \$500.00. Veterans with qualifying service after Jan 1, 1993 may receive another bonus of up to \$500.00. Only federal active duty is applicable for bonus purposes. Active Duty for training is not allowed for Bonus purposes.

Applicants living outside of South Dakota may obtain an application by email at [fette@state.sd.us](mailto:fette@state.sd.us). Include your branch of the military and dates of service. You may request an application and instructions by writing SD Veterans Bonus, 425 E. Capitol, Pierre, SD 57501-5070 or by calling 605-773-7251.

## MORE ONLINE

More events can be seen at [www.TeamAPG.com](http://www.TeamAPG.com)



Thirty-two civilians attended the U.S. Army Research Laboratory's greening course at APG in early June. The course is designed to give civilian employees the opportunity to gain insight and to experience various activities, duties and responsibilities of the U.S. Soldier. Participants pose for a group photo during a vehicle display and test drive session at Aberdeen Test Center.

# ARL 'greens' civilian employees

Story and photos by  
**JOYCE M. CONANT**  
Army Research Laboratory

The U.S. Army Research Laboratory has held its semiannual greening courses for quite some time, but with new leadership comes new challenges. In early June, 32 civilians had the opportunity to attend the first greening course held under the leadership of ARL's new senior enlisted advisor, Sgt. Maj. Kevin Connor.

The course is designed to give civilian employees the opportunity to gain insight and experience various activities, duties and responsibilities of the U.S. Soldier. This time around, the civilians military-style body-armor vests during the course of the entire week.

The participants came from throughout ARL's major locations including Aberdeen Proving Ground and Adelphi, Maryland; the Army Research Office (ARO) in Research Triangle Park, North Carolina; and White Sands Missile Range in New Mexico. A few of the participants were from the Edgewood Chemical Biological Center (ECBC) at APG, which is an element of the Army's Research, Development and Engineering Command.

## The Soldier experience

Throughout the weeklong course, participants began each morning at 5:30 a.m. with physical-fitness training, commonly called PT, personal hygiene, and breakfast, and then lined up for daily accountability formations. Then they were off to various activities.

The activities included basic Army knowledge classes; marksmanship; assembling and disassembling military weapons; Humvee (HMMWV) Egress Assistance Trainer, or HEAT; obstacle-course activities and weapons training at the Gunpowder Falls training facility; Aberdeen Test Center vehicle displays and test drives; and weapons firing at the small-arms range. On the final day of training, the participants flew in a Black Hawk helicopter and learned about aviation operations, maintenance, and goals of the Maryland Army National Guard. The course concluded with a formal graduation ceremony.

The civilians, many of whom had never experienced military training, had plenty to say about their experiences.

Dr. Todd Henry, from the ARL Vehicle Technology Directorate at APG, said he liked the teamwork and leadership puzzles.

"Solving problems is always fun, but the team element made it over the top," Henry said. "I found it most challenging to carry the armor vest around everywhere. By the end of the week my shoulders were very sore! And, I didn't expect the MRE [meal, ready to eat] field rations to be so easy to prepare and genuinely good tasting. The greening course was an extremely fun

week and it gives civilians a small idea of the Soldiers' challenges."

## Taking on responsibility

Mark Riggs, from ARL's VTD, was selected as one of the course platoon sergeants to lead the civilians during the weeklong course. Unlike his fellow classmates, his perspective on leadership responsibilities added an additional element to his experience.

"I found taking on the responsibility of a platoon sergeant the most challenging, because I had to be accountable for everyone and I couldn't fall back into the crowd when an NCO had a problem with the platoon," Riggs said.

"The greening course was a great experience and I'm glad we had the opportunity to be trained by NCOs for a week. I liked the flight in the Black Hawk the best because it was a rare opportunity for me to fly in the Army helicopter that I'm working with in the lab. I'll take this information and apply it to the technology I'm developing to support our troops."

Carlos Natividad, from WSMR, flew all the way from New Mexico for the experience. He said he enjoyed getting to know more about the organization and how civilians and active-duty personnel interact. "During the greening course, I was introduced to a variety of tasks, knowledge, and materiel used by Soldiers and the Army. Whether it was the thirty-pound IBA [interceptor body armor], which a material engineer there had some hand in approving its use, or an NCO talking about the proper way to line up in formation, each person working for the Army there talked about something interesting related to the job."

When asked what was most challenging, Natividad said, "The obstacle course. The types of obstacles really spoke volumes to the amount of physical training that Soldiers are required to have in order to complete them. I arrived with the idea that we would sit in a class the majority of the time and the activities would be more about observing. I was very wrong for all the right reasons. The combination of the events we endured, alongside the accompanying NCO talking about their experiences, made a real impact on how I perceive Soldiers and my role as civilian support."



ARL greening course participant Alena Borkiewicz, from the Edgewood Chemical Biological Center, right, listens to instructions about the weapon she is about to fire at the Aberdeen Test Center small arms range.

Natividad shared some personal insight and said, "Seven years ago, I came into the Army civilian workforce straight out of college, and up until now, I had little exposure to what Soldiers actually go through. I believe that I am not alone; it's easy to not be conscience of how your work supports

the Warfighter and hard to really understand what they went through to be where they are.

I believe that if a person can take this course they should and put all their effort into completing every task. Then, I believe, they can proudly say 'I am an Army Civilian, a member of the Army Team.'"

**"I really enjoyed getting a taste of the difficulties the Soldiers experience. It helps to drive home that ultimately, our mission is to the warfighter. The greening course helps to humanize the Soldiers rather than think of them as an abstract idea."**

**Jennifer Warren**  
ARL Laboratory Operations

## Gaining perspective

Amanda Mihok, from ECBC, said that getting to know the NCOs was an amazing experience.

"It really put into perspective how important our jobs can be and what we do to help these people who are fighting for us. Experiencing some of the things they have to go through was awesome. It was fun, but I learned so much at the same time."

When asked what she found most challenging, Mihok said, "Keeping up with their [NCOs] schedule. We worked long days, no matter what the weather, and it was exhausting. It really helped

me realize how much they sacrifice for us. I wasn't expecting the leadership course that we experienced. This was one of my favorite parts—I loved having to figure out the different obstacles and work as a team to succeed."

Mihok said she thought the course was definitely worth taking and shared, "You will be exhausted by the end, but will have had a great time, make great friends, and have some unforgettable experiences. If I could, I would take the course again!"

Whether you're new to the Department of Defense or have worked for the agency a number of years, the experience at ARL leaves a lasting impression.

"I've been working in DOD for 12 years, but ARL is the first agency I've worked at that offered a greening course," said Jennifer Warren, from ARL's Laboratory Operations at APG. "I really enjoyed getting a taste of the difficulties the Soldiers experience—it helps to drive home that ultimately, our mission is to the Warfighter. The greening course helps to humanize the Soldiers rather than think of them as an abstract idea."

ARL Sgt. Maj. Connor said he was pleased with the success of the course as well and wanted to ensure the participants got a true taste of military life.

"It has been my experience that when you give people tough but realistic training—at the end of the day—it gives them a sense of pride being able to accomplish things that they have never considered doing before," Connor said.

"We required them to wear the body armor all day so that they could understand some of the challenges a Soldier deals with. At the conclusion of the course, we required all greening-course participants to dress in formal attire and recite the Army Civilian Creed to instill the importance of ceremonies that are conducted in the Army. They all lived up to the challenge!"

## 5 ways to reuse your copy of the APG News

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



# Play it safe in the water: diving and pool safety

U.S. Army Combat Readiness Center

Warmer weather signals a return to outdoor activities for millions of Americans. Unfortunately, it also means an increase in water-related injuries, leading physicians to remind swimmers to play it safe when diving into pools, lakes and oceans. Water-related injuries can result in mild-to-severe injuries and death.

The National Spinal Cord Injury Statistical Center (NSCISC) at the University of Alabama at Birmingham estimates 11,000 spinal cord injuries occur each year in the United States. These injuries occur when the spinal cord, which runs from the base of the brain to the waist, is damaged or severed by trauma.

According to one study, as many as 11 percent of all injuries to the spinal cord are the result of diving accidents, said Dr. Robert Bohinski, a neurosurgeon with the Mayfield Clinic and assistant professor of neurosurgery at the University of Cincinnati College of Medicine.

“A tremendous amount of force is transmitted to the cervical spine when the entire weight of one’s body is propelled against an immobile object like the bottom of a pool or a rock,” Bohinski said.

“People diving from decks and boards can hit the water at 15 feet per second. The cervical spine will buckle under the force and either fracture or dislocate.”

Statistics from the NSCISC reveal males are more likely to be victims of spinal cord injury, accounting for more than 81 percent of incidents. Among these males, diving is the fourth-leading cause of spinal cord injuries.

“This is an all too common injury during the summer months,” Bohinski said. “Most of the reported injuries are severe, resulting in complete paralysis, and in some cases are even fatal.”

While diving-related spinal cord injuries are traumatic, they are preventable. Because most of these injuries occur in water three feet deep or less, Bohinski recommends swimmers always enter the water feet first.

“Diving headfirst into shallow water and striking one’s head on either an object or the bottom of the pool is known to cause cervical spine fractures that often are associated with spinal cord injury,” Bohinski said. “Never dive into murky or unknown bodies of water. Swim around first without diving to become familiar with the geography of the water.”

## Tips to avoid spinal cord in-



Courtesy photo

### jury:

- Never dive while drinking or when intoxicated
- Avoid diving at parties or during large gatherings when circumstances are unpredictable
- Do not dive just to show off or horse around
- Post “No Diving” signs prominently at your pool in areas that are not deemed safe for diving
- Never attempt to dive across the short length of a typical pool
- Never dive into an above-ground pool
- Never dive into irregularly shaped pools
- Talk to your children about the dangers of diving into pools or unfamiliar bodies of water.
- Do not dive at night or in poorly lit conditions
- Do not dive from boats

For more information, visit <https://safety.army.mil>.

### Preventing Recreational Water Illnesses (RWIs)

According to the Centers for Disease Control and Prevention, preventing Recreational Water Illnesses (RWIs)

is a multifaceted issue that requires participation from pool staff, swimmers, and health departments. Poor maintenance can result in low disinfectant levels that can allow the spread of a variety of germs that cause diarrhea as well as skin and respiratory RWIs.

Although pool staff alone cannot completely stop these complex problems, they play a key role in assuring the health of pool visitors. By following a few simple steps, aquatic managers and staff can lead the way.

### Before swimming

Look at the pool and surroundings. What should you notice?

- Clean and clear pool water; you should be able to clearly see any painted stripes and the bottom of the pool.
- Smooth pool sides; tiles should not be sticky or slippery.
- No odor; a well-chlorinated pool has little odor. A strong chemical smell indicates a maintenance problem.
- Pool equipment working; pool pumps and filtration systems make noise and you should hear them running.

### Ask questions of the pool staff

- What specialized training did the

staff take to prepare for working at or operating the pool?

- Are chlorine and pH levels checked at least twice per day?
- Are these levels checked during times when the pool is most heavily used?
- Are trained operation staff members available during the weekends when the pool is most heavily used?
- What was the health inspector’s grade for the pool after its last inspection?

### Be proactive, educate others

- Learn about recreational water illnesses and educate other users and your pool operator.
- Urge your pool management to spread the word about RWIs to pool staff and pool users.
- Let your pool operator know that the health and well being of all swimmers is a priority for you.
- Check the pool water yourself for adequate free chlorine (1-3 parts per million) and pH (7.2-7.8) levels. Pool and spa chlorine test strips are available at local home improvement stores, discount retailers and pool supply stores. The CDC website at [www.cdc.gov/healthywater/](http://www.cdc.gov/healthywater/) provides instructions on pool and spa test strips for home use.

### Practice healthy swimming behaviors

- Keep the pee, poop, sweat, and dirt out of the water!
- Stay out of the water if you have diarrhea.
- Shower before you get in the water.
- Don’t pee or poop in the water.
- Don’t swallow the water.

### Take hourly breaks

- Take kids on bathroom breaks.
- Check diapers, and change them in a bathroom or diaper-changing area—not poolside—to keep germs away from the pool.
- Reapply sunscreen.
- Drink plenty of fluids.

### Think safety

- Keep an eye on children at all times, kids can drown in seconds and in silence.
  - Don’t use air-filled swimming aids (such as “water wings”) with children instead of life jackets or life preservers.
  - Use a sunscreen with at least SPF 15 and both UVA and UVB protection to protect against sunburn. Be sure to re-apply it after swimming.
- For more information, visit [www.cdc.gov/healthywater/](http://www.cdc.gov/healthywater/).



## At your service

## Joanna Marlow, MWR lifeguard

Joanna Marlow is an American Red Cross certified lifeguard who works at the Olympic Pool on APG North (Aberdeen) and the Bayside Pool on APG South (Edgewood) during the summer.

This is her fifth summer working as a

lifeguard on post.

“It’s a good first job,” she said. “Lifeguarding is natural fit for me.”

Marlow, who swam competitively in high school, is trained in first aid and CPR. Her duties include supervising

patrons in and out of the pool, spotting potential hazards and preventing accidents. She also tests the chemicals in the pool every hour to ensure chlorine and pH are at appropriate levels.

Additionally, Marlow conducts swim classes for children and adults of all skill levels.

“Children are fun to teach – they learn very quickly and they want to learn,” she said.

Marlow added that Morale, Welfare and Recreation lifeguards work together well as a team. During the day, they rotate to take breaks from the intense summer heat.

“We all know it’s really important to have water and sunscreen with us at all times; we are pretty good about taking

care of each other,” she said.

Marlow attends the University of Maryland, Baltimore County, and is majoring in environmental science. In the future, she plans to pursue a career in civil engineering.

The MWR Outdoor Recreation division operates APG pools. The Olympic Pool is located in Bldg. 3325 Raritan Ave, next to the APG North (Aberdeen) recreation center. The Bayside pool is located in Bldg. E4655, off of Gunpowder Loop. Both pools offer lap swimming and recreational swimming at designated times.

For more information about APG pools, visit <http://www.apgmwr.com/recreation-and-sports/swimming-pools> or contact the Outdoor Recreation Center at 410-278-4124/5789/2135.



## Real-world hero visits local summer camp

Staff Sgt. David Hoisington of the U.S. Army Research Laboratory watches Aiden Duffy sample an Army meal ready-to-eat (MRE) during an educational visit to Camp Happy, a summer camp for children ages 3 to 13, at a local homeless shelter.

Hoisington talked about life as a deployed Soldier and the children sampled MREs, explored the contents of a military rucksack and tried on sets of body armor.

“There aren’t very many Soldiers around here, and I think it’s a good experience for the kids to get to meet Soldiers and learn about what we do,” Hoisington said.

The visit was in conjunction with the camp’s “Hero Week” activities. Camp Happy was founded by ARL employee T’Jae Ellis’ 10-year-old daughter Grace Callwood.

Photo by Stacy Smith

Submit letters to the editor to [usarmy.apg.imcom.mbx.apg-pao@mail.mil](mailto:usarmy.apg.imcom.mbx.apg-pao@mail.mil)



# ALL THINGS MARYLAND

## Fire Museum of Maryland

*Museum highlights history of firefighting*

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

Explore the evolution of firefighting in the United States with a visit to the Fire Museum of Maryland.

Located in Lutherville, the museum features 40 antique fire engine memorabilia, along with historical firefighting equipment, models and photographs.

Museum director and curator Stephen Heaver said the museum is divided into three sections: hand pulled, horse drawn and motorized fire equipment. The museum, he said, illustrates how firefighting technology has changed over the course of many years.

Heaver added that part of the museum's educational mission is to maintain historical fire engines so they can be used in community events, like the recent Independence Day Parade in Towson.

"Many of the fire engines still run," he said. "It's an ongoing project; we are working on all of them."

Heaver said that visitors enjoy visiting the interactive "Fire Communications Office" exhibit, which features a historical and educational working display of the way in which fire signals were communicated from pull boxes to the fire houses. The Fire Communications Office is divided into four eras, highlighting advancements in technology.

Another museum highlight is the exhibit exploring the Great Baltimore Fire of 1904. The fire, which took place February 7 and 8, burned 1,526 buildings, or more than 70 blocks, in central Baltimore. The fire was so large that the glow from its flames could be seen as far away as the Maryland Eastern Shore, Washington D.C. and Frederick. The exhibit examines the steps firefighters took to extinguish the fire and how the city rebuilt itself in the aftermath.

Heaver said the museum is a popular destination for school groups and summer camps due to its hands-on displays and activities. For example, in the "Discov-



This Steam Pumping Engine, on display at the Fire Museum of Maryland, was built in 1888 and used during the Great Baltimore Fire of Feb. 7-8, 1904. The Fire Museum of Maryland features 40 historical fire engines dating from 1806 to 1957.

ery Room" children can dress up in turnout gear, climb on a 1938 Mack Engine, solve a fire truck puzzle, or read a book about firefighting in the story corner. The museum was deemed one of the "Top Five Children's Museums in Maryland" by CBS Baltimore.

The Fire Museum of Maryland welcomes about 13,000 visitors annually,

and offers a variety of educational and special events for all ages throughout the year. On July 11, the museum will host a free antique car show, including activities for children and demonstrations, from 11 to 3 p.m.

The Fire Museum of Maryland is located at 1301 York Road, Lutherville, Maryland, 21093. The museum is open

Wednesday through Saturday in June, July and August from 10 to 4 p.m. During the rest of the year, the museum is open 10 to 4 p.m., each Saturday. Admission is \$12 for adults; \$10 for seniors and firefighters; \$5 for children ages 2 to 18; and children ages 2 and under receive free admission. For more information visit [www.firemuseummd.org](http://www.firemuseummd.org).

## Take steps to protect your skin

By **MOLLY FRANCIS**  
Public Health Command

It is finally summertime, so what better way to celebrate than by going out and enjoying the summer sun? You probably put on sunscreen before going swimming or going to the beach because you know that the sun's ultraviolet rays, or UV rays, can damage your skin in just 15 minutes. But did you know you are in danger from the sun's UV rays any time you are outside?

Ultraviolet radiation is defined by the U.S. Centers for Disease Control and Prevention (CDC) as the "part of sunlight that is an invisible form of radiation." There are two types of harmful UV rays: ultraviolet A (UVA) and ultraviolet B (UVB). While UVA is the most dangerous type, the CDC cautions that UVB rays can also have negative health effects.

Too much exposure to UV rays can cause sunburn, where the radiation literally burns your skin and causes it to age prematurely. Along with being painful, sunburn can have long-term consequences. The World Health Organization warns that UV rays cause damage to skin cells that can result in skin cancer along

with other harmful effects to your eyes, skin, and immune system. The National Cancer Institute cautions that skin cancer is the most common type of cancer in the United States and getting just one blistering sunburn increases your risk.

The UV rays can reflect off a variety of surfaces like water, sand and pavement and cause havoc year round, anywhere outside. It is important to safeguard against the sun's harmful rays to protect yourself and your skin. To protect yourself, follow these SUNSHINE tips:

**Sunscreen.** Always wear sunscreen. The CDC recommends wearing sunscreen with a sun protection factor of at least 15 which offers protection from both UVA and UVB rays. Sunscreen should be worn any time you go outside for the most protection.

**Use sunscreen correctly.** Apply sunscreen at least a half hour before going into the sun. Also, be sure to reapply sunscreen at least every two hours. If you are swimming, reapply sunscreen every time you dry yourself off.

**No expired sunscreen.** Always make sure to check

your sunscreen's expiration date, as all sunscreens expire. If you cannot find one, replace the sunscreen after three years or if the sunscreen appears discolored.

**Sunglasses.** Wear sunglasses. Look for sunglasses that offer 100 percent UVA and UVB protection. Sunglasses can help protect your eyes from cataracts and yellowing of the lens.

**Have (and wear) protective clothing.** Protective clothing includes a wide-brimmed hat that shields your face and neck from the sun, long sleeves and pants. The American Cancer Society advises that clothes that are dry, darker and have tighter knits are better at protecting your skin from UV rays. However, also wear sunscreen for ultimate protection.

**Inside.** Avoid being outside from 10 a.m. to 4 p.m. when possible. These are the peak hours for UV rays. If you are going to be outside during this time of the day, take precautions like staying in the shade.

**No tanning beds.** Tanning beds produce UV rays just like tanning outside. Getting a base tan

before going to the beach does not protect your skin from the sun while at the beach.

**Examine your skin.** Look for moles that are growing larger, black or uneven in color and look for discolored skin patches. These marks could be signs of melanoma, a particularly dangerous type of skin cancer, and should be discussed with your doctor.

Although sun safety is important in the summer, remember UV rays can find you year-round. If you follow these SUNSHINE tips, you can be sure to enjoy your summer responsibly and protect your skin – the largest organ in your body.



### 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](mailto: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.

# MORALE, WELFARE & RECREATION



## Upcoming Activities

### CHILD & YOUTH SERVICES

#### BABYSITTING COURSE JULY 21 – 23

APG Child, Youth and School Services, in partnership with 4-H, will offer a class to familiarize participants with all the responsibilities of babysitting as well as becoming certified in CPR/First Aid. Students will receive a certificate of completion of the course as well as their CPR/First Aid cards.

The course is two days in length, 9 a.m. to 3 p.m. each day. It will be held at Bldg. 2503, Highpoint Road, in the second floor conference room. This free course is open to youth ages 13 to 18. Registration is required.

For more information, or to register, contact Shirelle Womack at 410-278-4589.

### LET'S COOK! INTERNATIONAL COOKING CLASS AUGUST 3-7

CYSS will host an international cooking class that will teach children skills to prepare food from different places around the world.

The second session will run Monday, Aug. 3 to Friday, Aug. 7. Each session will be held at the Corvias Community Center from 10 a.m. to 1 p.m.

Children will learn about sanitation, kitchen safety and different recipes that require little help from parents. Each session includes a \$35 supply fee and is open to children ages 7 to 15.

For more information, email shirelle.j.womack.naf@mail.mil or call 410-278-4589.

### LEISURE & TRAVEL PA RENAISSANCE FAIRE AUGUST 1 - OCTOBER 25

Experience the fantasy of a marvelous trip back in time to the days of yore as the castle gates swing wide to usher in the 35th season of the Pennsylvania Renaissance Faire. Featuring 35 acres of jousting knights and royal delights, the faire welcomes you with a cast of hundreds of costumed merrymakers, more than 90 shows daily, manicured gardens, scores of artisans demonstrating ancient crafts and 22 royal kitchens -- truly the faire remains a marvelous fantasy of bygone days and knights.

Tickets are \$23.25 for adults and \$10 for children ages 5-11. Registration deadline is July 9.

To purchase tickets, visit Leisure Travel Services at the recreation center, Bldg. 3326. For more information, call 410-278-4011/4907 or email usarmy.APG.imcom.list.apgr-usag-mwr-leisuretravel@mail.mil.

### MARYLAND STATE FAIR AUGUST 28 - SEPTEMBER 7

The Leisure Travel Office is offering tickets to the Maryland State Fair at 2200 York Rd., Lutherville-Timonium, MD 21093. Tickets are \$7 for adults, \$2.50 for children ages 6-11, \$19 for ride-all-rides passes, and \$11 for food vouchers. Registration deadline is Aug. 17. To purchase tickets,

visit Leisure Travel Services at the recreation center, Bldg. 3326. For more information, call 410-278-4011/4907 or email usarmy.APG.imcom.list.apgr-usag-mwr-leisuretravel@mail.mil.

### NEW YORK CITY BUS TRIP SATURDAY SEPTEMBER 12

The Leisure Travel Office is offering seats on a bus to New York City Sept. 12. The bus will leave the APG North (Aberdeen) recreation center at 7 a.m. and return to the recreation center at 9 p.m., depending on traffic. The cost is \$48 per person. To reserve a seat, visit Leisure Travel Services at the recreation center, Bldg. 3326. For more information, call 410-278-4011/4907 or email usarmy.APG.imcom.list.apgr-usag-mwr-leisuretravel@mail.mil.

### AMUSEMENT PARK DISCOUNT TICKETS 2015 SEASON

The Leisure Travel Office is offering discount tickets to the following amusement parks on the eastern seaboard.

- Six Flags America (Maryland)
- Six Flags Great Adventure (New Jersey)
- Six Flags Hurricane Harbor (New Jersey)
- Dutch Wonderland (Pennsylvania)
- Hershey Park (Pennsylvania)
- Sesame Place (Pennsylvania)
- Carowinds (North Carolina)
- Busch Gardens (Virginia, Florida)
- Water Country USA (Virginia)
- Kings Dominion (Virginia)

Prices vary and are subject to change without notice. For ticket prices, and more information, visit [www.apgmwr.com/recreation-and-sports/ticket-office](http://www.apgmwr.com/recreation-and-sports/ticket-office) or call 410-278-4011/410-436-2713.

### BALTIMORE ORIOLES DISCOUNT TICKETS 2015 SEASON

The Leisure Travel Office is offering discount tickets to Baltimore Orioles games during the 2015 season at Oriole Park at Camden Yards in Baltimore. For pricing and availability, contact Leisure Travel Services at 410-278-4011/4907. Tickets can be purchased at the Leisure Travel Services Office at the APG North (Aberdeen) recreation center.

### SPORTS & RECREATION ULTIMATE FRISBEE WEDNESDAYS

Ultimate Frisbee matches will be held at Shore Park on APG North (Aberdeen), Every Wednesday from 5:15 to 7 p.m.

Ultimate Frisbee is a limited-contact team field sport played with a frisbee. Points are scored by passing the disc to a teammate in the opposing end zone. Other rules imply that players must not take steps while holding the disc (but may maintain a pivot) and interceptions and

incomplete passes are turnovers.

All levels of players are invited -- beginners are welcome to come out and try a new activity!

### FREE TICKETS - TIGER WOODS FOUNDATION GOLF TOURNAMENT JULY 29-AUGUST 2

Complementary tickets are available to all MWR patrons for the 2015 Tiger Woods Foundation Golf Tournament on a first-come, first served basis. There is a limit of 4 tickets per ID card holder.

Ticket distribution starts 9 a.m. at the APG North (Aberdeen) recreation center and 10 a.m. at the APG South (Edgewood) recreation center.

For more information, call 410-278-4011/4907 or email usarmy.APG.imcom.list.apgr-usag-mwr-leisuretravel@mail.mil.

### KAYAK CLASSES MAY-JUNE

APG Outdoor Recreation will host two-day kayak classes on the following dates:

- July 9-10
- July 14-15
- July 22-23
- July 30-31
- Aug. 13-14
- Aug. 17-18

The first day of each session is instruction, the second day is an excursion. The two-day class is \$50 per person. Class begins at the APG Outdoor Recreation Center, Bldg. 2184, at 6 p.m. and ends at dusk.

For more information, or to register, contact the Outdoor Rec. Office at 410-278-4124.

### 2015 POOL PASSES

MWR pools are now open 7 days a week through Aug. 28.

The APG North (Aberdeen) Olympic Pool and the APG South (Edgewood) Bay-side pool are open for morning lap swim Monday-Friday, 6:30 to 8 a.m., afternoon lap swim 11:30 a.m. to 12:30 p.m. and recreational swim Monday-Friday 12:30 to 7 p.m. and Saturday-Sunday 11:30 a.m. to 7 p.m.

Pool passes are on sale now at either pool, the Outdoor Recreation Center, Bldg. 2184, and the Leisure Travel offices at APG North (Aberdeen) and APG South (Edgewood) recreation centers.

- Pool pass prices:**
- Active duty service members and their families swim free.
  - 30-day Individual Pass - \$35
  - 30-day Family Pass - \$70
  - Season Individual Pass - \$85
  - Season Family Pass - \$175
  - (Passes are valid through Sept. 7, 2015.)
- Daily pool fees:**
- Lap Swim - \$4
  - Military Retirees & Immediate Family - \$3
  - Reservists, National Guard, Civilians & Immediate Family - \$5
  - Guests Accompanied by Eligible ID Card Holder - \$7

For more information, call 410-278-4124/5789 or email [usag-mwr-outdoor-rec@mail.mil](mailto:usag-mwr-outdoor-rec@mail.mil).

### EQUIPMENT RENTALS ONGOING

The MWR Outdoor Recreation Office offers countless items for rent to make a summer barbecue or party complete, including barbecue grills, bounce houses, canopies, coolers, kayaks, yard games and camping gear. Visit [www.apgmwr.com](http://www.apgmwr.com) for price list. Call 410-278-4124/5789 for more information.

### ARMY COMMUNITY SERVICE

#### START & REVITALIZE YOUR CAREER WEDNESDAY JULY 22

Whether you are starting a new career or need a boost in your current career, this workshop will offer the following:

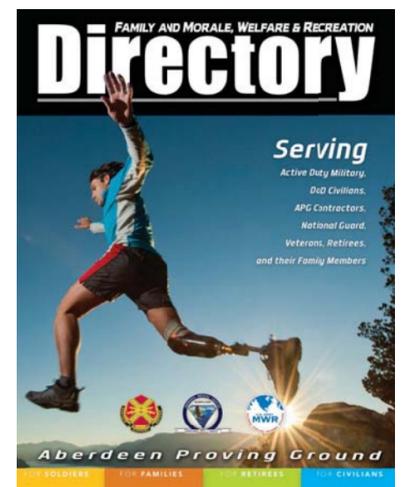
- Setting a career path that defines you
- Creating strategies to move your career to the next level
- Setting S.M.A.R.T goals that work
- Being the job applicant that stands out.

The class is free but does require registration. Seating is limited to 20 participants. To register, call the ACS Financial Readiness Program Manager at 410-278-7572.

### GETTING INSURANCE WEDNESDAY AUGUST 19

ACS will host a "Getting Insurance" workshop that provides an overview of insurance, insurance terms and getting the most for your money. It will also explore questions such as, Do I have enough? What will these terms mean to me?

The class is free but does require registration. To register, call the ACS Financial Readiness Program Manager at 410-278-7572.



Learn more about APG MWR activities and services by going online at [www.apgmwr.com](http://www.apgmwr.com) and downloading the FMWR Directory.

## Start & Revitalize Your Career Today!

Army Community Service Bldg 2503 High Point Rd  
July 22, 2015, 11:30 a.m. - 1:30 p.m.,

Whether you are starting a new career or need a boost in your current career, this workshop offers you the following:

- set a career path that defines you
- create strategies to move your career to the next level
- set S.M.A.R.T. goals that work:(Specific, Measurable, Attainable, Realistic Time bound)
- be the job applicant that stands out.

To enroll in this FREE class you must register with:  
ACS Employment Readiness program manager, 410-278-9669/7572.  
partnership with APG Federal Credit Union.  
Seating limited to 20 participants.

## APG MWR Leisure Travel New York City Bus Trip

### Sept 26, 2015

Departure: AA Recreation Center 7:00 AM  
Return: AA Recreation Center 9:00 PM (time may vary depending on traffic).

Transportation to New York City, you are free to schedule your own activities-sightseeing, shopping, or taking in a show, and safe return to APG, MD.

**\$48.00**  
Registration Deadline:  
Sept 12, 2015

To reserve your seat, visit MWR Leisure Travel Services at the AA Recreation Center, BLDG 3326.  
For questions call 410-278-4011/4907 or email us at [usarmy.APG.imcom.list.apgr-usag-mwr-leisuretravel@mail.mil](mailto:usarmy.APG.imcom.list.apgr-usag-mwr-leisuretravel@mail.mil)

# Improve your health this summer

By **LAUREN LYNCH**  
APG Army Wellness Center

Looking for new ways to increase your activity and improve your health this summer? Check out these different ways to begin or continue on a path toward wellness:

- **Get outdoors.** Biking, kayaking and hiking are great activities to do with friends or family. Visit somewhere local or take a Saturday day-trip to a state park an hour or two away for a short getaway. Pack lots of water and a picnic lunch for a fun-filled day.

- **Too hot outside? Try a new class at the gym.** MWR offers a variety of free exercise classes here at APG; or try a class at a local gym. Classes are great for forming relationships and accountability. They are also helpful for adding other types of training into your routine that you might not do on your own. You might even discover a new activity that you enjoy.

- **Run in the rain.** Embrace the days that might not be considered ideal for exercise. It can be a refreshing change from a workout that would normally leave you drenched in sweat.

- **Find a local park or trail.** Take a break from pounding the pavement, and look for a trail with some shade. Your body will perceive this as a much bigger change than it actually is and you will likely be able to walk or run longer.

- **Plan activities during vacation.** Call ahead to see if your hotel/resort has a gym or plan to explore the area on foot. Some hotels even offer "Stay Fit Kits" for your convenience. If not, seek local advice about where to head for a great workout. If you're at a beach, run on the sand for an added



Courtesy photo

Take advantage of the warm weather and boost your fitness by signing up for an outdoor yoga class. Being outside can intensify the stress-relieving experience of yoga – just think about how many asanas (or poses) are named after animals and nature.

challenge and to burn more calories.

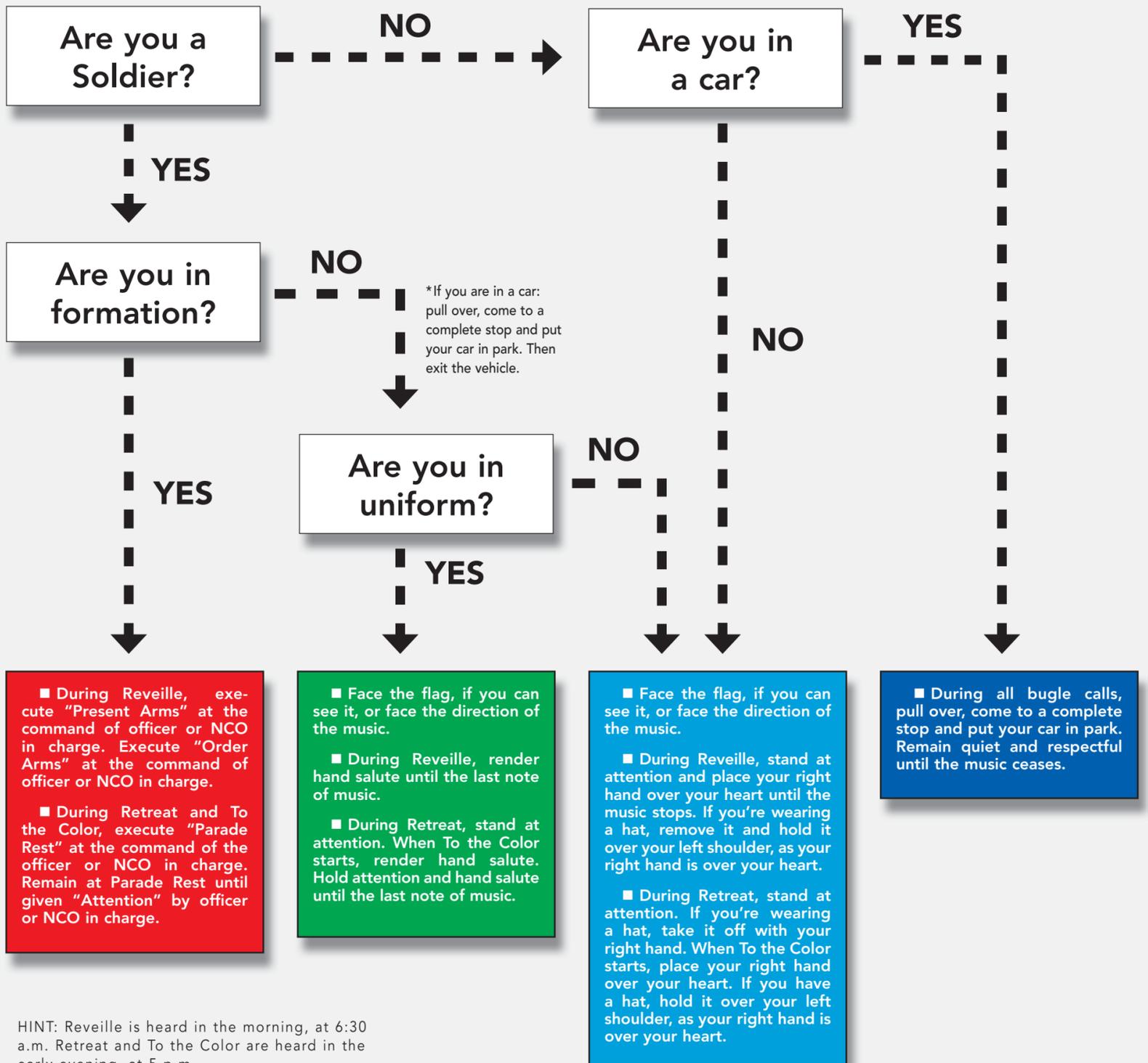
- **Shop at a local farmers market.** In addition to supporting local farmers and businesses, you'll find fresh fruits and veggies for great prices –

usually without any/or minimal added chemicals.

For more tips on summer fitness and wellness activities, contact the APG Army Wellness Center at 410-

306-1024. The Wellness Center offers free metabolic testing, fitness testing and body composition assessments for Team APG Soldiers, family members, retirees and Army civilians.

## You hear the bugle call, now what?



APG News graphic

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

To participate in the Voluntary Leave Program, use forms OPM 630, Application to Become a Leave Recipient Under the Voluntary Leave Transfer Program; 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.campbell18.civ@mail.mil

Adair, Jennifer  
Alba, Audrey  
Avato, Jennifer B.  
Budzinski, David  
Calahan, Jane E.  
Clark, Lyra  
Dissek, Michael J.  
Gaddis, Lonnie

Gardner, DeShawna  
Gilley, Christopher M  
Green-Farley, Jessica R.  
Hamrick, Heidi R.  
Hopkins, Dorene  
Johnson, Douglas W.  
Kang, Jeannie R  
Lanham, Allison

Mason, Jeremy L.  
Massabni, George  
McAlpine, Maria S.  
McCauley, Adrienne  
Meyer, Russell D.  
Morrow, Patricia D.  
Mughal, Mohamed R.  
Royston, James A.

Solomon, Je'Neane  
Thurman, Terry L.  
Tomlinson, Rachel L.  
Trulli, Wayne R.  
Waggy, Stephen C.

# CECOM chief of staff retires

By **GREG MAHALL**  
CECOM Public Affairs

The chief of staff of the U.S. Army Communications-Electronics Command retired after 28 years of service during a ceremony at APG June 26.

Col. Charles C. Gibson marked a long and gratifying Army career after more than a quarter-century of service to the U.S. Army, the last three of which were served at APG as the CECOM chief of staff.

The ceremony, officiated by retired Lt. Gen. William "Kip" Ward, included CECOM Commanding General and APG Senior Commander Maj. Gen. Bruce T. Crawford, CECOM Command Sgt. Maj. William G. Bruns and was witnessed by Gibson's parents, family, friends, colleagues and the CECOM workforce. Also by his side in celebration were his wife of 23 years, Michelle, and son, Charles.

"Chuck's [Gibson] stellar career stands as a vivid example and a clear demonstration of what success looks like when adding responsibility to a man, a Soldier, a public servant – who not only accepted that ever-increasing responsibility, but excelled as a leader on every step of his journey," Ward said. "No challenge was ever too great for Chuck Gibson – the professional Soldier."

Crawford commended Gibson for his service and said he retires with a "legacy of dedicated, selfless service."

"Today is a bittersweet day," Crawford said. "Chuck is the absolute epitome of a 'trusted professional.'"

"As our chief of staff, as with every other position he has held, Chuck worked tirelessly to accomplish every mission to the highest standards. I can think of very few officers who wore the cloth of our nation with more passion and pride. His legacy will be all the lives he touched throughout that service and the difference he made in crossing our paths."

During his remarks, Gibson focused on the support he and his family felt and experienced over his long career in the



The chief of staff of the U.S. Army Communications-Electronics Command, Col. Charles C. Gibson, left, walks to his retirement ceremony at the APG North (Aberdeen) Myer Auditorium June 26, accompanied by APG Senior Command Sgt. Maj. William G. Bruns, right, and APG Senior Commander Maj. Gen. Bruce T. Crawford, back.

Army.

"I could not be here today without the help and assistance given to me over these 28 years," he said. "There are too many people to mention individually by name, people who displayed their trust and faith in me to accomplish the mission and get the job done."

"Help [also] came from my wife, my big brother, my parents, my Army fami-

ly and my fraternity brothers. I want you all to know that Michelle and I appreciate you."

A Baltimore native, Gibson entered the Army through the early commissioning program at Bowie State University in May 1986. He received his commission as a second lieutenant as an Ordnance Officer, which later transitioned into the Logistics Corp. He entered active duty

in November 1987 and started his career at the same installation where it ended – at Aberdeen Proving Ground.

Gibson has seen action around the world, in both war and peace, with service in Germany; during Operation Desert Shield/Storm; at Fort Bragg, North Carolina; as an instructor in the Morgan State University ROTC program; and in Korea, Hawaii and Bosnia.

He came to CECOM in 2012 after commanding CECOM's Tobyhanna Army Depot near Tobyhanna, Pennsylvania.

In addition to his retirement certificate, Gibson was awarded the Legion of Merit Service Medal by Gen. Dennis L. Via, Commanding General, U.S. Army Materiel Command, CECOM's higher headquarters. He also received a certificate of appreciation from President Barack Obama, a four-star note from Via, a three-star note from Lt. Gen. Robert Ferrell, and a two-star note from Crawford.

Citations were also presented on behalf of U.S. Senator Barbara Mikulski, U.S. Senator Ben Cardin, U.S. Representative Elijah Cummings (representing District 7 – Gibson's home district in Baltimore), and Maryland Governor Larry Hogan, as well as from Harford County, the city of Aberdeen, and the city of Baltimore.

Others guests recognizing Gibson's career included retired Gen. Johnnie Wilson; Lt. Gen. Robert Ferrell, former CECOM Commander and current U.S. Army CIO/G6; Maj. Gen. John Wharton, current Commanding General, U.S. Army Research, Development & Engineering Command; retired Maj. Gen. Hawthorne L. Proctor; retired Maj. Gen. Thomas Prather; Brig. Gen. James Kenyon; retired Brig. Gen. Mike Hayes and retired Brig. Gen. Ron Kirklin.

Gibson's official retirement date is Nov. 30, 2015. Col. Charles E. Harris III succeeds Gibson as the CECOM chief of staff.

# 'Cool effort' for those with heat injuries

By **BOB REINERT**  
USAG Natick Public Affairs

In hopes of bringing medical treatment to Soldiers on remote battlefields in warm climates, the folks at Natick Soldier Research, Development and Engineering Center, or NSRDEC, recently put forth a "cool effort."

The Heat Ailment Recovery Pack, or HARP, is being developed by the Joint Foodservice Engineering Team, or JFET, of the Combat Feeding Directorate at NSRDEC. It will help personnel maintain medical supplies at the proper temperatures and keep potable water cool until medical attention can be administered to Soldiers with heat-related injuries.

"They don't have this capability at all," said Ben Williams, a mechanical engineer with JFET. "It's never been done before. It's a brand-new concept."

Williams was approached about a year ago by deployed Joint Special Operations Command U.S. Africa Command, or JSOC AFRICOM, personnel about developing something to cool water and medical supplies to treat individuals, who are suffering from heat-induced medical conditions. Together, they approached the Rapid Equipping Force, which approved the funds to produce four of the bags for testing and evaluation.

"I love working directly with people in the field because it makes your job easier," Williams said. "You're not trying to develop products in a vacuum, and you're not making products that people don't want. It makes your life easy."

Williams had already helped Soldiers in the field cool water with the Beverage Cooling Unit and maintain water temperature with the Insulated Container for Bottled Water. JSOC AFRICOM wanted Williams to combine the two concepts, providing a means to not only maintain the temperature of medical supplies and bottled water, but to cool them on demand, when necessary.

"Being able to provide Soldiers on the ground with medical supplies and water at the proper temperature after an extended, or even an indefinite, period of time in remote locations is a major challenge," Williams said. "The state-of-the-art technology before the HARP for this application was just your standard portable, plug-in refrigerator. The HARP is a completely new concept, which can either maintain the contents' temperature or drop it to acceptable levels within minutes, depending on what the user requires."

Williams and Brian Grady, an equipment specialist with the NSRDEC Aerial



Delivery Design and Fabrication Team, got to work making the concept a reality.

"We have to actually make this from scratch," Grady said. "We're not production; we're prototype. But to build four of these? It's a production process, and we tackle it and get it done."

"Obviously, it's not a parachute, but its fabric. We have a lot of these items that we take in, too. Who else will build this?"

The result was a 23-inch-wide, by 26-inch-long, by 20-inch-high pack, which weighs up to 60 pounds when fully loaded with medical supplies and water. Its micro-refrigeration unit is powered by a BB-2590 lithium-ion battery, which can be run continuously for three hours in 120-degree temperatures.

"You can drag an IV bag or medical supplies down to 50 degrees off of one battery from 120 degrees, if you just let it run," Williams said.

An integrated flexible solar panel can also be used to recharge batteries and extend the HARP's runtime while acting as a solar shade for the system.

"It needs to be a self-sufficient system, capable of running indefinitely," said Williams in explaining the solar panel.

The HARP, coated with a newly developed infrared-reflecting material, can cool its contents down from 120 degrees to a usable temperature of 98 degrees in a mere 15 minutes. Using its remote control and monitoring sys-



tem, the HARP can keep an IV fluid bag constantly usable (below 98.6 degrees) for 100 hours in 120-degree temperatures, all while being monitored and controlled from a distance of up to 100 feet.

"Remote monitoring and control is an absolute necessity, especially when the system is stored on the outside of the vehicle or in a cargo area," Williams said.

The HARP is also capable of being broken down and configured for man-portable use within minutes, while still maintaining its cooling capability. Modular Lightweight Load-carrying Equipment, or MOLLE, features with integrated shoulder straps added to its backside allow the bag to be worn like a backpack or attached to and carried on another pack.

"It's actually a two-bag system,"

Photo by Sgt. Duncan Brennan  
(Above) Medical supplies, like IV solution bags, will be kept cool until needed to treat heat injuries by the Heat Ailment Recovery Pack, or HARP, developed by the Natick Soldier Research, Development and Engineering Center.

(Left) The Heat Ailment Response Pack, or HARP, uses a micro refrigeration unit, a flexible solar panel, infrared-reflecting material, and a remote control and monitoring system to keep medical supplies cool in the field.

Photo by David Kamm

Grady said. "The challenge was [working with] the fabric ... and how unforgiving the fabric was. There's no room for error with the fabric."

Most of the work on the HARP was done at NSRDEC, but four other Army agencies and two outside companies ultimately were involved in the process.

Eight months after the need for the HARP was determined, four were sent to the REF, May 20. Another four systems are scheduled to be fielded to the U.S. Army Medical Materiel Agency for user evaluation aboard MEDEVAC aircraft.

"I think we did a great team effort on this one, because we got everyone involved and leveraged all of the necessary skills to get the job done," Williams said. "We have the capability here at Natick to take a Soldier's need and turn it into a reality. It's a cool effort."

# THIS WEEK IN APG HISTORY

## APG News

www.apgnews.apg.army.mil

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

March 26, 2009 Vol. 53, No. 12

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 2009.

By YVONNE JOHNSON, APG News

2015  
2010  
2000  
1990  
1980  
1970  
1960  
1950

### 10 Years Ago: July 7, 2005



(Left) From right, Mark Gallihue, APG cultural resources manager, and visitor Jack Davis, discuss the book, "Harford County in Vintage Postcards," with its photographer, James Kropp and author Bill Bates, at the Mitchell House centennial celebration.



(Right) Brian Bartenslager, 4, left, puts the finishing touches on freshly-planted flowers with help from Jeanna Morris during a beautification project at the Aberdeen Child Development Center.

### 25 Years Ago: July 4, 1990



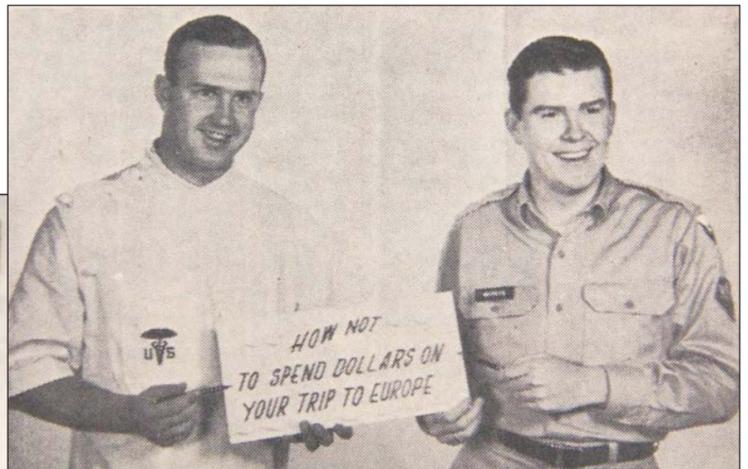
(Above) Former Ballistics Research Laboratory employees display four generations of computer components to demonstrate how advanced technologies shrink the size of equipment while increasing speed and memory.



(Right) The Maryland Boulevard entrance gate is in shambles after being struck by an underage motorist in a stolen vehicle that was being pursued by Maryland State Troopers.

### 50 Years Ago: July 1, 1965

(Right) Psychological specialist Pfc. William Johnson, left, and Chaplain Assistant Spc. George Wausnock illustrate how they used tips from the best seller, "Europe on Five Dollars a Day" by Arthur Frommer, to tour Europe on a budget of \$4.50 a day per person.



(Left) Army Vice Chief of Staff, Gen. Creighton W. Abrams Jr., right, for whom the Abrams fighting vehicle was named, poses with honor student Capt. Jack King, center, and OC&S commander Brig. Gen. David Hiester during an Association of the United States Army award ceremony.

# Exoskeleton may improve shooting accuracy

By **JOYCE P. BRAYBOY**  
Army Research Laboratory

Robotic exoskeletons have been a science fiction theme and an engineering feat since the 1960s. Practical design techniques, which allow a fictional character to be stronger, more powerful or more functional intrigues engineers toward simplicity in futuristic innovation.

At the U.S. Army Research Laboratory, or ARL, Dan Baechle, a mechanical engineer, is testing MAXFAS, a mechatronic arm exoskeleton, which is designed so that it could be used to train new Soldiers to reach shooting proficiency faster. Baechle said he has had a childhood fascination with robotics and exoskeletons since he first saw Caterpillar's Power Loader full-body exoskeleton from the film "Aliens."

The near-future vision for the developmental test system is that it would be a training device to help new recruits with novice marksmanship skills and generally help increase combat arms shooting performance on the battlefield.

"Soldiers need to be able to aim and shoot accurately and quickly in the chaos of the battlefield," Baechle said. "Training with MAXFAS could improve Soldiers' accuracy, and reduce current time and ammunition requirements in basic training."

The problem he wants to correct is the same as the familiar effect, which happens when someone aims a laser pointer at arm's length toward a board on the other side of the room, and notices a slight, but constant movement of the laser light on the board. The initial experiments showed that after subjects wore MAXFAS and then performed a shooting trial, the tremor that causes this type of shake was lessened, even after removing the device, he said.

Baechle is on a team that specializes in using lightweight materials to enhance the performance of Soldiers and their equipment, said Eric Wetzels, team leader of the Multifunctional Materials Team at ARL.

"At ARL, we strive to develop new approaches to challenging Army problems, and are especially attracted to high-risk projects that could drastically improve Soldier capabilities," Wetzels said. "Dan's work demonstrates that

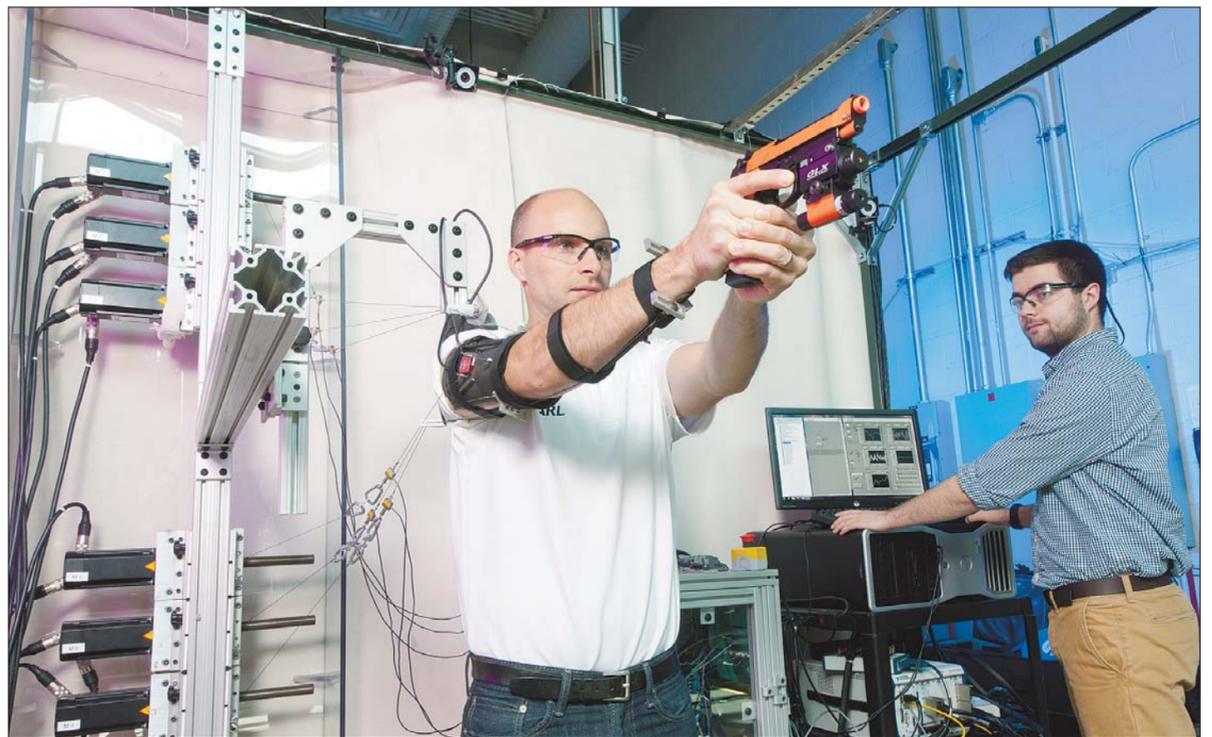


Photo by Doug LaFon

Dan Baechle, left, from the U.S. Army Research Laboratory Multifunctional Materials research team, has created a laboratory prototype of a device he designed to sense and damp out arm tremors for Army marksmanship training.

the integration of advanced materials, robotics, and control algorithms can help address a critical Army requirement - shooting proficiency - in an unconventional way."

MAXFAS is modeled from a robotic device to train arm motion of stroke victims at the University of Delaware. Baechle said he wanted to make the design functional for marksmanship and he used carbon fiber to make the exoskeleton lighter. He said he envisioned a device that would stabilize its user's arm during the shooting cycle either on-the-spot or to train for long-term proficiency, he said.

"The Soldier is already wearing a lot of weight on missions. I figure with a carbon fiber exoskeleton, I could add a big performance benefit without much additional weight," Baechle said.

Baechle mounts motors for the MAXFAS cable-driven arm behind the wearer, which pull the cables that are attached to arm braces, as a puppeteer would. The

braces are made from carbon fiber, and add very little weight to the arm. Sensors on the braces feel the involuntary tremor in the arm and send signals to the motors to correct it, but do not restrict voluntary motion, he said.

His idea is a crossover between materials and human sciences. As he looks forward to refine his initial proof-of-concept results, Baechle said he plans to bring together experts in both fields, as well as young scientists.

Sean Averill, a research assistant from Drexel University who is working with Baechle for six months of real-world experience, assists on the MAXFAS technology with tasks like getting motion streaming into the lab view, wiring and designing the systems security latch.

"I get an end goal to accomplish and the freedom to design it," Averill said.

MAXFAS has passed its first step in showing potential to correct arm tremors in the laboratory.

"You could have the greatest proof of concept, but what is important is demonstrating the value of the device to those with Army mission requirements," Baechle said.

Baechle said he believes the project, he has been working on for the last year, has a chance, because fatigue, involuntary tremors in the arm and difficult situations, like shooting under fire or shooting on the move, will continue to degrade shooting performance in Soldiers even as more advanced weapons technology emerges.

"My vision is that one day, a more mature version of MAXFAS could be used to improve aim on the battlefield despite any adverse conditions," he said.

What the ARL team has produced in the laboratory hasn't quite caught up with the science fiction exoskeletons we see in movies like "Iron Man," but, Baechle said, "In science, we are making great progress toward making science fiction a reality."

# VA to extend benefits to all married couples

By **AMANDA ROMINIECKI**  
APG News

Following the Supreme Court ruling June 26 allowing same-sex couples the legal right to marry in all states and that those marriages must be recognized, the U.S. Department of Veterans Affairs has released a statement in which officials said they are working quickly to extend VA benefits to all married couples.

The statement, issued June 29, went on to say that the "VA may recognize the same-sex marriage of all veterans, where

the veteran or the veteran's spouse resided anywhere in the United States or its territories at the time of the marriage or at the time of application for benefits."

VA officials are working to develop and distribute guidance on extending benefits to all couples.

Until the guidance is issued, the VA will temporarily wait to adjudicate all claims regarding same-sex marriage that cannot be immediately granted based on prior guidance and regulations.

For updates or more information, visit [www.va.gov/opa/pressrel](http://www.va.gov/opa/pressrel).

## Veterans Corner

Veterans Corner is a new, recurring feature in the APG News. It addresses the topics that matter most to the veterans in our community. For more information about local veterans affairs services, visit [www.maryland.va.gov](http://www.maryland.va.gov). To suggest veteran-related topics for the Veterans Corner series, email [amanda.r.rominiecki.civ@mail.mil](mailto:amanda.r.rominiecki.civ@mail.mil).

## Vanpoolers needed on APG North & South



There are several existing vanpools looking for riders as well as individuals looking to start vanpools for the following listed to the right.

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](mailto:syreeta.a.gross.ctr@mail.mil).

### APG North (Aberdeen) to:

- ◆ Newark, Delaware
- ◆ Philadelphia, Pennsylvania
- ◆ White Marsh, Maryland
- ◆ Columbia, Maryland
- ◆ Aberdeen train station shuttle

### APG South (Edgewood) to:

- ◆ Baltimore, Maryland
- ◆ Columbia, Maryland
- ◆ Newark, Delaware
- ◆ Washington, D.C.



## 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*

## Exchange marks 120 years with scavenger hunt

AAFES

In honor of the 120th anniversary of the Army & Air Force Exchange Service, a sweet scavenger hunt will give military shoppers the chance to search the candy aisles of their local Exchange for clues to win \$7,000 in prizes.

Authorized shoppers can find the five missing words from the Patriot Family 120th Anniversary Scavenger Hunt July 3-July 25, using clues located in their Exchange candy department. A grand prize of \$3,000 will be awarded to one winner, \$1,000 to two second-place winners and \$500 will go to four third-place winners.

"The Army & Air Force Exchange Service has always been about giving back," said Army Col. Karen Fleming, Exchange deputy director of logistics, "and on its anniversary it's only fitting that we give back something extra with this scavenger hunt."

To learn more about the contest and how to enter, visit the Patriot Family website at <http://www.aafes.com/about-exchange/patriot-family>. The seven winners will be selected at random from a pool of all eligible entries. No purchase is necessary to win, and all winners will be notified by email.

For more information, visit [www.shopmyexchange.com](http://www.shopmyexchange.com).



**EXCHANGE**  
ARMY & AIR FORCE EXCHANGE SERVICE

## DOTTIE DORMAN WORKING WOMAN SCHOLARSHIP

Applications Due July 22

The Maryland Tri-County Chapter of Federally Employed Women (FEW) is proud to announce its Dottie Dorman Working Woman Scholarship for 2015. The \$500 scholarship is awarded annually to a woman who is currently employed in federal service and working in the Harford, Cecil or Baltimore county areas. This is a one-time scholarship award.

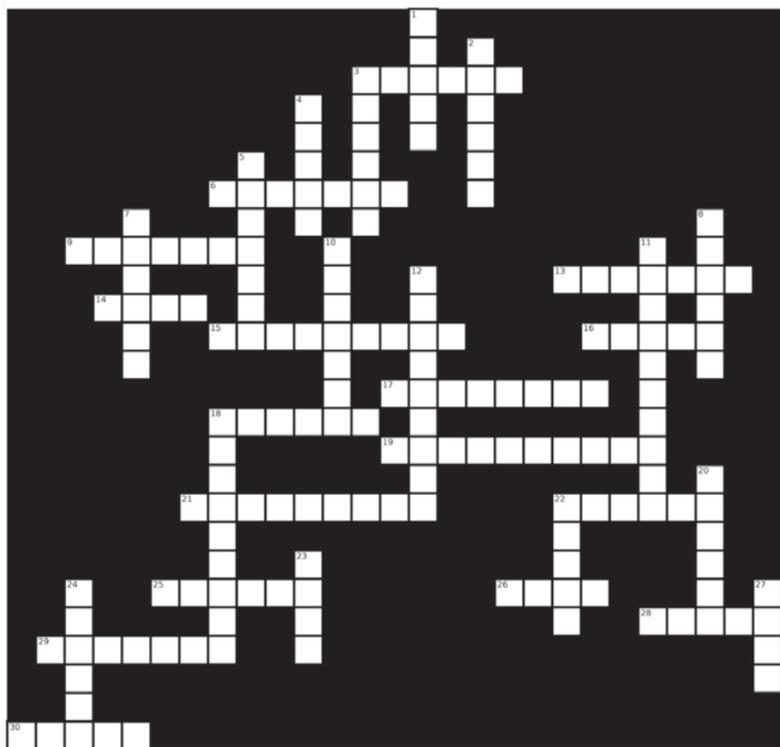


Individuals applying for the scholarship must be currently enrolled at a college or university pursuing their first undergraduate or first graduate degree. Please take the time to review the process for this award and then submit your application. All applications must be sent to MTC/FEW, P.O. Box 1613, Bel Air, MD 21014 and postmarked by July 22, 2015.

The scholarship will be awarded during the Team APG Annual Women's Equality Day Ceremony Aug. 19 at 9:30 a.m. at the APG North (Aberdeen) recreation center, Bldg. 3326.

For an application or additional information, contact Karen Jobses at [karen.w.jobses.civ@mail.mil](mailto:karen.w.jobses.civ@mail.mil), 410-436-4429 or Michelle Williams-Gibson at [michelle.williams-gibson.civ@mail.mil](mailto:michelle.williams-gibson.civ@mail.mil), 443-861-4746.

## The APG Crossword



### National Ice Cream Month

By **STACY SMITH**, APG News

In 1984, President Ronald Reagan designated July as National Ice Cream Month. Complete this puzzle to test your knowledge of one of America's favorite indulgences.

#### Across

- In 1890, Evanston, Illinois outlawed the selling of ice cream sodas on this day of the week due to the treat's 'sinful' sweetness.
- Most popular ice cream flavor, accounting for 20 to 29 percent of overall sales.
- U.S. state in which ice cream moguls Ben and Jerry founded their popular brand.
- Version of Neapolitan ice cream that combines vanilla, cherry and pistachio flavors and was made

to resemble the Italian flag.

- A soda \_\_\_\_\_ is a person who operates the soda fountain in a drug store, often serving ice cream sodas; commonly seen in the first half of the 20th century.
- The Library of Congress possesses a copy of a handwritten recipe for vanilla ice cream eaten by this president.
- The emperors of this nation's Tang Dynasty are believed to be the first in history to eat a "frozen milk-like confection."

17. Food photographers frequently use a modified version of this food as a stand-in for actual ice cream in photos.

18. Novelty song lyric first published in 1927: "We all \_\_\_\_\_ for ice cream!"

19. President who acquired a "cream machine for ice" in 1784.

21. Cold drink created by mechanically blending milk with ice cream and flavorings or syrups.

22. Baked \_\_\_\_\_ is an ice cream dessert invented in 1876 to honor the purchase of the eponymous U.S. territory.

25. Spanish word for ice cream.

26. Professional ice cream taste testers use spoons made of this material to sample each product without leaving any trace of the previous flavor.

28. Popular Indian frozen dairy dessert made from simmered, thickened milk.

29. Ice cream franchise Baskin Robbins offers over 1,000 of these to its customers.

30. Dessert typically made with root beer soda and ice cream.

loquially known as a "brain \_\_\_\_\_."

8. Dish originally created when the carbonated beverage was removed from ice cream sodas.

10. The largest ice cream sundae ever, weighing 24 tons, was made in this Canadian province in 1988.

11. They were served ice cream at Ellis Island as part of their welcoming to America.

12. A 2003 Cornell University study found women's top three reported comfort foods are ice cream, cookies, and \_\_\_\_\_.

18. Popular ice cream topping also used on cupcakes.

20. Ice cream franchise that began selling soft-serve ice cream in 1936 after the founder's truck broke down and the ice cream it was carrying began to melt.

22. Ice cream is often served 'a la mode' with this popular pie.

23. Ingredient that gives French vanilla ice cream its distinctive yellow color and extra creaminess.

24. Italian word for ice cream.

27. Sherbet's extra ingredient that differentiates it from sorbet.

#### Down

1. Hawaiian \_\_\_\_\_ was originally created as a syrup for ice cream, but became more popular mixed with water and served as a drink.

2. Ice cream was first served in this type of cone at the 1904 World's Fair.

3. 'Peanuts' creator who's famously said, "Life is like an ice cream cone; you have to lick it one day at a time."

4. Part of the body that receives messages from the mouth's nerve endings signaling a loss of body heat when ice cream is consumed.

5. A type of disaccharide sugar found in milk; can cause digestion problems.

7. Ice cream headache, col-

Solution to the July 2 puzzle



## WORD OF THE WEEK

### Wrangle

Pronounced: rang-guh l

**Part of Speech: Verb**

#### Definition:

(Intransitive Verb)

- To dispute angrily or peevishly; bicker
- To engage in argument or controversy

(Transitive Verb)

- To obtain by persistent arguing or maneuvering
- To herd and care for (livestock and especially horses) on the range

(Noun)

- A noisy or angry dispute; altercation.

#### Use:

- Sketch out the big picture, take care of the trickiest details, and wrangle your underlings into doing the rest.
- Above the wrangle and clamor of the passions she is a fixed star.
- They called a truce until later when they could wrangle it out over dinner.
- We agreed to leave this conundrum for future statesmen to wrangle over.

By **YVONNE JOHNSON**, APG News

Source(s): [www.dictionary.com](http://www.dictionary.com); [www.merriam-webster.com](http://www.merriam-webster.com)

## ACRONYM OF THE WEEK

### ITA

**International Trade Administration**

The International Trade Administration (ITA) is an agency in the United States Department of Commerce that promotes U.S. exports of nonagricultural goods and services.

ITA is charged with strengthening the competitiveness of U.S. industry, promoting trade and investment, and ensuring fair trade and compliance with trade laws and agreements. It is organized into three business units – Industry & Analysis, Enforcement & Compliance, and Global Markets – that work together to achieve its mission:

ITA was formed Jan. 2, 1980. It is headquartered at 1401 Constitution Avenue NW, Washington, D. C.

ITA head, Stefan M. Selig was confirmed by the Senate as Under Secretary of Commerce for International Trade June 4, 2014.



By **YVONNE JOHNSON**, APG News

Source(s): [www.trade.gov](http://www.trade.gov)

[www.commerce.gov/international-trade-administration](http://www.commerce.gov/international-trade-administration)

[www.wikipedia.org](http://www.wikipedia.org)

# TRV project eyes hoverbike for defense

By **JOYCE P. BRAYBOY**  
Army Research Laboratory

The U.S. Army Research Laboratory, or ARL, has been exploring the tactical reconnaissance vehicle, or TRV, concept for nearly nine months and is evaluating the hoverbike technology as a way to get Soldiers away from ground threats by giving them a 3-D capability.

The Army is interested in this disruptive technology because it has the potential to increase Soldier protection at the squad level and below.

The TRV concept could unburden Soldiers while increasing their capabilities regardless of the environmental conditions, in manned and/or unmanned operations. Besides mitigating the dangers of ground threats, capabilities for the TRV concept could include aiding in communication, reconnaissance, and protection; sensing danger or even lightening the Soldiers' load.

The feasibility study of the technology recently concluded, and indi-



Photo illustration by Malloy Aeronautics

The Army is exploring disruptive concepts for road avoidance.

cates successful performance. During the next three to five years, ARL, a part

of the U.S. Army Research, Development and Engineering Command, or

RDECOM, will partner with Malloy Aeronautics, a United Kingdom-based aeronautical engineering company, and SURVICE Engineering Company, a Maryland-based defense firm, to deliver full-sized prototypes and analysis for evaluations and assessments in military applications.

This is one of many examples of ARL taking a look at novel and cutting-edge ideas, which have the potential to bring new and disruptive capabilities to U.S. land forces decades from now.

As the TRV concept progresses through the proof of principle phase, it could transition to partner organizations within RDECOM, which mature technologies into defense capabilities. ARL would continue to support the TRV project.

Additional resources: Email public\_affairs@arl.army.mil with TRV in the subject line to be added to the mailing list for developments regarding the Tactical Reconnaissance Vehicle project.

# Boat has improved maneuverability, survivability

Continued from Page 1

supplies over water when permanent bridges are not available.

“The BEB is key to employing the IRB because the boats actually assemble the rafts and bridges by maneuvering five to seven bay combinations of ramp and interior bays forward, reverse, and sideways in water where currents flow at speeds of up to six feet per second,” said Rand Ponting, the BEB outgoing assistant product manager.

The new XM30 BEB will replace the 30-year-old legacy Mk II BEB platform and represents an important part of the Army's incremental modernization efforts.

“We wanted to show our stakeholders what America's taxpayers are buying and what our Soldiers will soon receive in terms of a new capability,” said Frank Fleming, the Army's assistant product manager for the BEB. “We got them out on both the legacy and the new boats so they can feel the capability difference this boat delivers.”

## Building on a legacy

Fleming explained that the legacy Bridge Erection Boat was developed in the 1970s and served Bridge Engineers well for its time.

“Today, the new Bridge Erection Boat is a vast improvement over the legacy system,” he said. “It has a wide-beam hull that provides excellent load carrying capacity and stability. It's stronger, faster, more reliable, much easier to operate and maintain. Maneuverability is greatly improved, and most importantly – crew survivability – the new boat also has ballistic protection for the crew,” he added.

The vessel will provide Multi-Role Bridging Companies (MRBCs) significantly enhanced capabilities not only for bridging operations, but also for diving support, rafting transport, and patrols.

“Aberdeen Test Center has been the preeminent developmental test facility for each iteration of the Bridge Erection Boat since inception,” said Mike Reedy, ATC BEB program test officer.

“Thus far, this is one of the most suitable, effective, and safe pieces of equipment that I've tested, and our unique facilities here are an important part of ensuring that this system meets the capability gap identified by the Soldiers.”

Lt. Col. Jeff Biggans is the Army's product manager for Bridging, assigned to Project Manager, Force Projection in the Program Executive Office for Combat Support and Combat Ser-



(Above) A Bridge Erection Boat (BRB) maneuvers to emplace the Improved Ribbon Bridge bay during a demonstration at the Aberdeen Test Center Amphibious Landing Area June 25.

(Left) The event concluded with a demonstration of how the Common Bridge Transporter, a modified Heavy Expanded Mobility Truck, deploys Improved Ribbon Bridge bays. The Bridge Erection Boat is also launched and retrieved from the Common Bridge Transporter outfitted with a Bridge Adaptor Pallet.

Photos by Erika J. Jordan

vice Support, headquartered at the Detroit Arsenal in Warren, Michigan. He explained that tactical bridging systems like the BEB are increasingly important to America's Soldiers and Marines.

“The Army Operating Concept describes a future that is constantly changing, and that means commanders need flexibility in maneuver,” Biggans said.

## Flexibility in the future

“Soldiers can use IRB equipment including these boats as bridges, rafts, or in other ways that increase the speed and manner of maneuver, which is always important. These platforms have been used in Iraq and Afghanistan, and we're proud to make the equipment even better for the future.”

Another advantage of the new BEB is it will allow the Army to retire the Improved Boat Cradle. Now, both the

IRB bays and BEB will ride on the Bridge Adaptor Pallet.

“That takes 14 boat cradles out of a bridging company and eliminates an entire piece of equipment,” said Maurice Peyton, integrated product support manager. “As a logistician, anything we can do to reduce the logistics footprint and maintenance burden on Soldiers makes a big difference, and this does just that.”

The BEBs can also operate on several different types of fuel, and will be used by Soldiers deploying the IRB in wet-gap crossings. The boats provide propulsion, maneuvering, thrust, and anchoring to the IRB bays, enabling tactical float bridge and rafting operations. The BEB also can provide short-term anchorage, assist in troop transport, as well as recover personnel and equipment.

A BEB sports a two-Soldier crew (operator and crewman) and is

launched and retrieved from the Common Bridge Transporter, a modified Heavy Expanded Mobility Tactical Truck.

The new BEB is interoperable with MRBC equipment and launches in less than five minutes to assemble IRB sections, which can be constructed to provide a bridge, raft or ferry capability.

The BEB will support rafting operations in fast water and operates in high-particulate-matter environments, such as sand in the air, as well as in silt in fresh, brackish, and sea water.

The Army plans to acquire and field nearly 400 BEBs; full-rate production is slated to begin about a year from now and the training base will receive the first BEBs off the production line. BEBs are designed for a 20-year life and will be fielded to Active Army, Reserve and National Guard MRBCs, while the U.S. Marine Corps will retain the older MKIII version.

## Installation Restoration Program survey open through Aug. 31

As part of Installation Restoration Program, the IRP Community Relations Plan identifies the concerns and information needs of APG employees and community members interested in APG's IRP, and outlines a program to address these concerns.

The community relations plan also identifies activities required by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and how they will be incorporated in APG's program.

Every few years, the IRP sends out a community survey as part of the formal information-gathering process for the Community Relations Plan update.

Members of Team APG and the local community are encouraged to visit <https://www.surveymonkey.com/s/apgsurvey> by Aug. 31 to share any concerns related to APG's Installation Restoration Program, as well as help the program determine how to best share information with the community.

For more information, contact Karen Jobses at 410-436-4429 or [karen.w.jobses.civ@mail.mil](mailto:karen.w.jobses.civ@mail.mil)

Submit letters to the editor to [usarmy.apg.imcom.mbx.apg-pao@mail.mil](mailto:usarmy.apg.imcom.mbx.apg-pao@mail.mil)

# Mikulski, ECBC talk additive manufacturing

Continued from Page 1

powder from an envelope mailed to Senate Majority Leader Tom Daschle. ECBC used additive manufacturing to assemble eight mobile labs equipped with biological threat detectors that were deployed around key facilities within 26 days.

“My office was on the same airflow system as Tom Daschle’s,” Mikulski recalled. “We evacuated on Oct. 15 and didn’t get back to our office until March 15. It was a terrifying experience. So we know about new threats and appreciate the need for quick response.”

According to Mark Schlein, ECBC associate director of engineering for Product Development, additive manufacturing is a new technology in some arenas, but is a mature technology at ECBC.

“We’ve been working with additive manufacturing for decades,” Schlein said. “It’s a powerful tool that is incredibly useful in producing prototypes and one-of-a-kind things. If we can share our experience with industry and academia, we not only gain additional experience from that, but we help build our future workforce.”

Mikulski, who announced March 2 that she will not seek re-election in 2016, has been a long-time advocate of science and technology defense efforts at the Aberdeen Proving Ground.

She has been a part of the Team Maryland congressional effort to modernize facilities at Edgewood since the late 1990s. Recently, she has been



Photo by ECBC Communications  
ECBC Engineer Dominique McClain explains the use of 3-D printing in development of unmanned aerial vehicles (UAV) to Senator Barbara Mikulski.

an active supporter of the Regional Additive Manufacturing Partnership of Maryland (RAMP MD), a consortium of private businesses, educational institutions, governmental agencies, and representatives of U.S. Army Aberdeen Proving Ground (APG) that are working together to expand Maryland’s capabilities in additive manufacturing. ECBC has worked in additive man-

ufacturing – 3-D printing, computer aided design, and rapid prototyping – for military application for 25 years. Through its partnership with RAMP MD, ECBC can make these capabilities available to Maryland industry, generating business for the center and avoiding huge equipment outlay costs for Maryland companies. Mikulski was impressed to learn that

ECBC has 35 cooperative research and development agreements with Maryland industries, 11 of which are tied to the RAMP MD program.

“These agreements provide industry access to ECBC’s technology, infrastructure, and people, while allowing ECBC to be involved in the development of a high-tech industrial base,” said ECBC Director Joseph L. Corriveau, Ph.D.

“This is the future,” Mikulski said as she examined a lunch-box sized 3-D printer. “This is where the jobs of the future are going to be. Manufacturing as we know it is gone. We need to be able to bring the next wave in manufacturing to our region and our nation.”

Mikulski’s visit was coordinated by the Army Alliance, a non-profit civic organization dedicated to the well-being of programs and organizations at Aberdeen Proving Ground.

“Senator Mikulski’s visit highlights the importance of collaboration,” said Michael Abaie, ECBC Director of Engineering. “By working with local industry and academia, we can achieve a win/win by bringing technology within their reach, which in turn enables them to better support our programs.”

Mikulski last visited ECBC on Aug. 5, 2014, when she cut the ribbon for the center’s Advanced Chemistry Lab and toured a showcase featuring chemical, biological, radiological, and nuclear detection, protection, and elimination capabilities.

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

## Did You Know?

**The first woman to hold one-star rank in the U.S. Air Force, and two-star rank in the U.S. armed forces, was a former Women’s Army Auxiliary Corps (WAAC) officer.**



Maj. Gen. Jeanne Marjorie Holm served as the first Women in the Air Force (WAF) director and is credited with being the driving force behind the expansion of women’s roles in the Air Force.

Holm was born June 23, 1921, in Portland, Oregon. She enlisted in the Army in July 1942, soon after the establishment of the Women’s Army Auxiliary Corps (WAAC).

She was commissioned as a “Third Officer,” the WAAC equivalent to second lieutenant, in 1943.

During World War II she commanded a basic training company at Fort Oglethorpe, Georgia. She also commanded a hospital company in West Virginia before leaving active duty in 1946 to pursue a bachelor’s degree. Holm was recalled to active duty during the Berlin Blockade in 1948. She served as a company commander at Camp Lee, Virginia before transferring to the Air Force where she served as War Plans Officer for the 85th Air Depot Wing during the Berlin Airlift and early phases of the Korean War.

Holm returned from overseas in 1952 and became the first woman to attend the Air Command and Staff College at Maxwell Air Force Base in Montgomery, Alabama. She was then assigned to Headquarters U.S. Air Force in Washington, D.C., as a personnel plans and programs officer in the Office of the Deputy Chief of Staff, Personnel.

She served in several capacities at the Pentagon including in the Office of the Deputy Chief of Staff, Personnel, where she was appointed director of Women in the Air Force (WAF) in 1965.

As director, Holm maintained overall responsibility for all matters concerning WAFS. During her tenure, WAF strength more than doubled, job and assignment opportunities expanded, and uniforms modernized. She is credited with expanding women’s roles and opportunities within the Air Force. She was extended twice, and became the longest-serving WAF director.

Holm was promoted to brigadier general July 16, 1971; the first woman to serve in this grade in the Air Force. She was promoted to major general effective June 1, 1973 with a date of rank as July 1, 1970, and was the first woman in the armed forces to serve in that grade.

Holm served in several advisory roles including as Secretary of the Air Force Personnel Council, before retiring from the Air Force in 1975. Her highest awards included the Legion of Merit and the Air Force Distinguished Service Medal.

In 2003, the Air Force Association conferred upon her its Lifetime Achievement Award. In 2006, she was inducted into the International Women in Aviation Hall of Fame and in 2008, a section of Air University at Maxwell AFB was reorganized and renamed the Jeanne M. Holm Officer Accession and Citizen Development Center. Holm received the Distinguished Alumni Award from Lewis and Clark College in 1968.

Holm died of pneumonia in Annapolis, Maryland, Feb. 15, 2010. Funeral services were conducted at Arlington National Cemetery March 29, 2010, with full military honors. She is interred in Section 65, marker 245.

Yvonne Johnson, APG News

Source(s) [www.history.army.mil/](http://www.history.army.mil/); [www.wikipedia.com](http://www.wikipedia.com)

## ACS marks 50 years of service to Army families

Continued from Page 1

but this year’s is particularly significant as we have the opportunity to showcase a half century of providing outstanding service to our Soldiers, their Families, and the entire APG Community.

“We look forward to another fifty years of serving our Army families.”

APG Senior Commander Maj. Gen. Bruce T. Crawford will provide remarks and participate in a ceremonial cake-cutting.

Managed by the Family Morale, Welfare and Recreation, ACS was founded July 25, 1965 with the sole purpose of supporting U.S. Army Soldiers and their families, no matter their duty station. Today, more than 80 ACS centers at installations worldwide provide standardized services and programs.

ACS helps Soldiers and their families deal with the unique challenges of military life, like multiple moves and deployments, giving Army families a central point to turn to for information and case management in resolving personal and family issues.

Vicky McClinton, wife of APG Garrison Commander Col. Gregory McClinton, said ACS is a crucial component of Army life.

“ACS is a lifeline to Army families when they relocate to their new duty station and throughout their assignment to installations around the world,” she said.

“ACS provides Army families resources and leads to address their needs on the installation and in the surrounding community. [ACS] strengthens

the Army family and the community making our Soldiers and civilian workers truly Army Strong.”

Although some services are only offered to Soldiers and family members, many services are offered to all eligible FMWR patrons: Soldiers, DOD civilians, retirees, contractors and their family members.

Throughout the year, APG ACS provides free educational classes, which are advertised in the InDemand e-newsletter and on FMWR social media and in the APG News.

Services offered by APG ACS include:

- Army Emergency Relief
- Army Family Action Plan
- Army Volunteer Corps
- Employment Readiness Program
- Exceptional Family Member Program
- Family Advocacy Program
- Financial Readiness Program
- Information & Referral
- Military and Family Life Counseling Program
- Mobilization and Deployment/Stability and Support Operations Readiness Program
- Relocation Readiness Program
- Survivor Outreach Services
- Victim Advocacy Program

For more information about APG ACS and upcoming classes, visit [www.apgmwr.com](http://www.apgmwr.com).

APG ACS is located in Bldg. 2503. Hours are 8 a.m. to 5:30 p.m. Monday-Thursday; 8 to 4:30 p.m. Friday. For more information call 410-278-7572/4372.



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

### 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 SNAPSHOT

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



## BENDING IT LIKE BECKHAM

During the annual Challenger Sports British Soccer Camp, 68 children, ages 3-14, learned a variety of different soccer techniques. APG Child, Youth and School Services sports program hosted the camp at the CYSS soccer field July 6-10.

(Clockwise from top) Coach Andrew Besley, from Wales, explains a soccer technique during a water break; Justin Moretz and Gia Gasdia practice dribbling during a soccer drill; From left, Dylan Beljour, Isabelle Toni, and Devin Hamburg compete for the ball during a scrimmage while McKenna Snow looks on.

Photos by Rachel Ponder



## TAKING TO THE WATER

Agnes Elderd, a Floridian traveling the country and visiting various Army posts with her veteran husband Ray, gets a helping hand from an APG MWR instructor as she pushes off shore at the Spesutie Island Marina during a kayaking excursion earlier this summer.

MWR hosts two-day kayaking classes starting at the APG North (Aberdeen) Outdoor Recreation Center, Bldg. 2184 from 6 p.m. to dusk. Registration is required, and classes are scheduled to run through the end of the summer. For more information, see the MWR Upcoming Events on page 10 of this issue, visit [www.apgmwr.com](http://www.apgmwr.com) or call 410-278-4124.

Photo by Molly Blossie



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