



## Improved batteries, SWIPES to lighten Soldiers' load

By **DAN LAFONTAINE**  
RDECOM Public Affairs

A Soldier treks through treacherous terrain in a dangerous combat zone with a rucksack filled with meals ready-to-eat, first-aid gear, weapons, ammunition, radios and batteries.

The U.S. Army Research, Development and Engineering Command is lightening the Soldier's load by developing smaller and lighter batteries. Scientists and engineers are unburdening the Soldier, increasing maneuverability, reducing fatigue, and cutting time needed for battery re-charging.

Christopher Hurley, an electronics engineer with RDECOM's Communications-Electronics Research, Development and Engineering Center for six years, leads the battery development projects team.

"One of the major projects on the battery team is trying to reduce the logistics burden," Hurley said. "We investigate state-of-the-art battery chemistries that will help us to decrease the Soldier load."

### Half-size BA-5590 battery

Hurley and his colleagues have reduced the size and weight of the standard BA-5590 battery by half, but the performance and run time has remained the same. The Half-Size BA-5590 plugs into the same equipment, about 80 types of radios and robots, as the full-size version.

"The Soldier can still perform the same [mission] with half the weight and volume in batteries," Hurley said. "It will lighten their load and increase their maneuverability so they have more freedom to get around on the battlefield."

The research team accomplished the size and weight savings through improvements in the battery's materials, he said. One of the battery chemistries under development is lithium-carbon monofluoride.

"A lot of the research is done on the materials. Once we identified a chemistry that has potential to lighten the Soldier load, a lot goes into it in terms of the raw materials -- the cathode, anode, and energy-storage components that afford us a high-energy density battery," Hurley said.

The Army has been working on the battery for five years, and it should be fielded to Soldiers in about a year, Hurley said.

### Polymer conformal battery

As the Army transforms to meet changing battlefield threats, Soldiers need to be agile without carrying boxed-sized batteries around their bodies. CERDEC is partnering with RDECOM's Natick Soldier

See **SMALLER**, page 17



Attendees cheer as the newest and most lethal Abrams Main Battle Tank, an M1A2 SEP Version 2, drives by during the parade of vehicles. The parade and static displays of military vehicles and equipment were held before the live fire demonstration at the main front firing range May 19.

## APG highlights Army lethality during demo

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

The earth shook in an explosion of firepower as the U.S. military's most powerful ground vehicles showcased their capabilities at Aberdeen Proving Ground May 19.

APG's much anticipated live fire demonstration, sponsored by Aberdeen Test Center, U.S. Army Test and Evaluation Command in celebration of Armed Forces Week, drew about 4,000 spectators at the main front firing range.

"Today we offer a snapshot of every-

thing APG, ATC and ATEC do to support our nation," said Commander of APG and the U.S. Army Communications-Electronics Command Maj. Gen. Robert S. Ferrell.

"It was fantastic, a once-in-a-lifetime event," said Shelly Almony of Bel Air.

Almony and her son Aaron, like many in the crowd, felt fortunate to attend the rare event.

Heather Hilton, one of the event coordinators from ATC, said the free tickets available to the public May 2 were distributed in less than an hour.

The event was the first of its kind in

more than two decades.

In addition to viewing firsthand some of the Army's most lethal weaponry, attendees also had up-close-and-personal access to military combat vehicles and other equipment in the static displays. Subject matter experts were available to answer questions and discuss the capabilities of each piece of equipment.

Diane Hyland of neighboring Perry Hall said her son Gavin Bambi, 6, is fascinated with all things military and especially enjoyed the displays.

See **LIVE FIRE**, page 13



Courtesy photo

(From left) Bill McAlpine and Liz Miranda of CECOM demonstrate an effective and portable exercise device that can be used to expand energy capacity.

## Cohorts explore how to become corporate athletes

By **SUE NAPPI**  
COHORT Program Manager, CECOM G-3

The new APG Senior Leadership Cohort recently met for its first three-day session.

The cohort program is a one-year program designed to build and develop a cadre of senior leaders across the installation. During this first session, in addition to identifying and discussing their leadership styles, the group invested a full day on personal energy management.

The Human Performance Institute's Bill McAlpine, a

See **ENERGY**, page 13

## CMA celebrates end of chemical agent demilitarization

CMA news release

The U.S. Army Chemical Materials Agency (CMA) May 17 hosted a formal ceremony in recognition of the January 21, 2012, milestone—the successful completion of its chemical agent stockpile disposal mission.

This major milestone was attributed to the many dedicated, committed professionals who demonstrated excellence in the safe handling and disposal of our nation's stockpile.

"We knew that our common

goal—to destroy the stockpiles at Johnston Island, Maryland, Indiana, Alabama, Arkansas, Oregon and Utah—was challenging, but we forged ahead. Today, we are justifiably proud. We made the world safer," said Don Barclay, Acting Director, CMA.

The ceremony, attended by more than 300 guests, highlighted the achievements of CMA and its systems contractors in

See **CMA**, page 13

## Prepare now for hurricane season

By **YVONNE JOHNSON**  
APG News

If there is a lesson learned from last year's hurricane season at APG, it is to expect the unexpected.

As the installation prepares to observe National Hurricane Preparedness Week May 27-June 2, most APG personnel and residents remember well the Category 1 storm that wreaked havoc up and down the eastern seaboard in the early morning

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### WEATHER

Thurs.



79° | 65°

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ICE system  
http://ice.disa.mil/  
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Get a glimpse of APG's various activities in celebration of Armed Forces Week.

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**Community Service**  
Local volunteers continue prep for June 16 League of Dreams game.

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### CONGRATULATIONS APG EMPLOYEES

APG employees or groups garnered 11 gold, 27 silver and 51 bronze awards during the 45th Annual Excellence in Federal Career Awards Luncheon in Baltimore. **PAGE 9**

# OPINION

## STREET TALK

**Next week is National Hurricane Preparedness Month. What are you doing to prepare for hurricane season?**

When you live this close to the coast you should always be prepared. Living on the East Coast when Hurricane Floyd hit (in 1999) taught me the importance of always being prepared for a disaster. I make sure I have enough batteries, canned goods and first aid items.



**Susan Burnett**  
Aberdeen High School teacher and retiree spouse

If a hurricane hits this year, I feel like I will be more mentally prepared because I experienced Hurricane Irene last year. I know that I need to have a full tank of gas in my car and I know where to evacuate. Last year's storm made me decide to cut down trees that are growing close to my house.



**Mary Ann Banaszak**  
Spouse of retired deceased military

Last year's storm made me realize that you should always have emergency supplies. You always need to have essentials like bottled water, batteries and a solar radio. If you wait to get supplies in an emergency you run the risk of the stores being out of emergency supplies.



**Spc. Aaron Gant**  
Kirk U.S. Army Health Clinic

Last year, our Family was out of power for several days, so I am considering investing in a generator, before hurricane season. I also want make sure there is a comfortable space in my basement we can go in case we have to stay there for a long period of time.



**David Hudson**  
DoD contractor and retired military

# Avoid summer tragedies with good safety sense

By **ANDRICKA THOMAS**  
CECOM Public Affairs

"As we take time to remember and honor the faithful service of every American who has made the ultimate sacrifice in defense of our nation, I encourage everyone to celebrate safely without undue risk," said Maj. Gen. Robert S. Ferrell, APG installation commander.

Memorial Day weekend marks the start of the summer season, and so do the outdoor fun, Family vacations and other activities.

Historically, off-duty fatality rates involving Soldiers inevitably increases from April to September, according to the U.S. Army Combat Readiness/Safety Center.

"Fun can come with a tragic price, however, as these next few months are historically the deadliest time of year for Soldiers off duty," said Brig. Gen. William Wolf, U.S. Army Combat Readiness/Safety Center commanding general and director of Army Safety. "Accidents in privately owned vehicles, privately owned motorcycles and personal watercraft pose the greatest risk, and we must all remain vigilant for ourselves and each other."

The U.S. Army Combat Readiness/Safety Center encourages installation community members to play it safe this summer. The center reported 31 privately-owned vehicle fatalities involving Soldiers during off-duty hours from Memorial Day to Labor Day last year. Fourteen of those fatalities involved alcohol.

Ferrell asks the APG community to stay vigilant in observing safety practices during the summer months and asks leaders to engage with their workforce about safe behaviors.

"As you travel this summer, be mindful of wearing your seatbelts and take the hazards of drinking and driving seriously," said Ferrell. "Drinking and driv-

ing is avoidable, bottom line."

The APG Installation Safety Office (APG ISO) emphasizes the importance of designating a sober driver as the summer festivities continue. In the state of Maryland, a driver can be charged as "under the influence of alcohol" if they are driving with a blood alcohol concentration of more than 0.08. Maryland also has a lesser offense of "driving while impaired," that does not have a pre-set legal limit benchmark, but is established after the officer has determined if a motorist is impaired, regardless of whether the driver is under the BAC legal limit.

"Drinking and driving is never a good idea," said Bill Alcarese, acting director, APG ISO.

During the months between Memorial Day and Labor Day, there is a spike in Soldier vehicle and recreational accidents, many of which are avoidable, according to Army safety officials.

Among the avoidable accidents are those involving texting while driving.

"We caution personnel against texting while driving as it is unsafe and illegal in Maryland," said Alcarese.

The Maryland Senate and House passed bills to prohibit the use of cell phone while driving to include using a text messaging device to write or send text messages while operating a motor vehicle or in the travel portion of the roadway (Senate Bill 98 and House Bill 72). The law is even more stringent for minor drivers.

As summer approaches, the APG ISO asks members of the APG community, and their Families, to be aware of summer hazards both at home and at work, said Alcarese.

The Army will recognize National Safety Month beginning June 1, and community members are encouraged to visit <https://safety.army.mil/NSM2012> for unique materials on civilian injury prevention, ground operations, aviation

operations and driving safety.

**Tips to stay safe during the holiday season, and year-round, include:**

- Barbecue:**
- Choose a safe grilling location, away from children's play areas and heavy traffic areas.
  - Grill in a well-ventilated area to avoid carbon monoxide fumes.
  - Never grill inside, or in a semi-enclosed area like a tent or camper.
  - Choose a flat stable platform space for the grill.
  - Never move a hot grill or leave it unattended.

- Food Safety:**
- Avoid cross-contamination. This occurs when bacteria from one food item are transferred to another, usually by way of cutting boards, countertops, hands, knives, etc.
  - Clean everything. As an extra precaution, use anti-bacterial dishwashing liquid and wipe surfaces with ½ teaspoon of household bleach in one liter of water.
  - To prevent serious illness, cook food thoroughly. Use a meat thermometer to measure the internal temperature of cooked meat and poultry to make sure it is cooked all the way through. There should be no blood. Juices from meat should run clear when cooked completely. Ground beef should be gray when done, not pink.
  - Keep food cold to slow growth of microorganisms. Refrigerators should be 4°C/40°F or below. Freezers should be at 18°C/0°F.

For more tips and info, visit the APG ISO at <http://www.apg.army.mil/apg-home/sites/installation/iso/motorcyclesclasses.html>.

## May is National Women's Health Month

# Army trailblazer visits APG, highlights healthy living

By **ADRIANNE FOSS**  
APG News

As Women's Health Month comes to a close, it is a good time for women to commit, or recommit, themselves to healthy lifestyle choices.

These are the decisions that will determine your quality of life as you age, and possibly how long you live.

Everyone knows someone whose quality of life is degraded due to poor lifestyle choices. It could be from smoking, years of eating an unhealthy diet or lack of exercise.

Whatever the cause, the consequences of poor health choices eventually

show up in the form of obesity, illness and other problems. But these conditions do not have to be permanent.

Just ask retired Brig. Gen. Clara Adams-Enders.

I had the honor of speaking with Adams-Enders—one of Army Medicine's top female trailblazers—during her May 10 visit to Aberdeen Proving Ground.

Adams-Enders' career is studied with firsts in the military's public health arena, including being the first nurse in Army history to become the commanding general of a major military base, the first Army Nurse Corps chief to remain on active duty as a

general officer after her tenure, and the first director of personnel for the Army Surgeon General. At the height of her career, she oversaw 22,000 nurses and was one of the most powerful women in the military.

As busy as she's ever been in her life, the 72-year-old Adams-Enders said she spends time as the director of her nonprofit foundation helping low-income students achieve their educational goals.

And as a member of the U.S. Council on Foreign Relations—arguably the nation's most influential foreign-policy

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## 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 8,900.

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IMAP-PA, APG, MD 21005-5001; call the editor at 410-278-1150, DSN 298-1150; send a fax to 410-278-2570; send e-mail to [adriane.c.foss.civ@mail.mil](mailto:adriane.c.foss.civ@mail.mil) or contact reporters Yvonne Johnson, [yvonne.johnson5.ctr@mail.mil](mailto:yvonne.johnson5.ctr@mail.mil) or 410-278-1148, or Rachel Ponder, [rachel.e.ponder2.ctr@mail.mil](mailto:rachel.e.ponder2.ctr@mail.mil) or 410-278-1149.

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

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# League play continues through June

Team APG support making a difference in the lives of local children

Story and photo by  
**YVONNE JOHNSON**  
APG News

Practice resumed for the third season of League of Dreams baseball at the Churchville Recreation Center May 19.

Led by Bill Kegley of Child of Youth and School Services, and Nancy Goucher of the installation's Exceptional Family Member Program. League of Dreams provides the opportunity for special needs children to play little league baseball. Children who do not have special needs also participate.

A host of parents and volunteers help coach participants at their skill levels. It all comes together during the final week of play when they play a full game.

Remaining practice dates are Saturdays, June 2, 9 and 16. A picnic and awards ceremony will follow the June 16 final game. Openings are still available for those wishing to participate. The cost is \$30.

"So far, the season is going great; we've been lucky with the weather," said Kegley.

He thanked Goucher, MWR Chief Mike Lupacchino, Master Sgt. John Cavaliere, interim garrison command sergeant major, for their support.

"Thanks to all our volunteers," he said. "This couldn't happen without them."

Parents and children expressed their gratitude as well.

"She knew she was coming and she was so excited," said Sean Wilhelm of CYSS, whose daughter Micki, 17, is in her third year with the team. "She likes it because she gets to be out with other kids. Plus she gets to exercise and meet new people."

Twelve year-old Julianna Lupacchino is also in her third year. Her mom, Kelly, said the children gain in self esteem.

"It is fun and it is a team sport, and she gets to play with people at her level. But the important part is the confidence the coaching gives them. She gets to do something for herself."

"They love it," added Rita Barker, an APG civilian retiree who brought her



**Master Sgt. John Cavaliere, a volunteer coach with the League of Dreams (left) and Sean Wilhelm (right) help Wilhelm's daughter Micki, 17, reach home plate during the second week of practice at the Churchville Recreation Center May 19. The next practice is June 2 at the same location.**

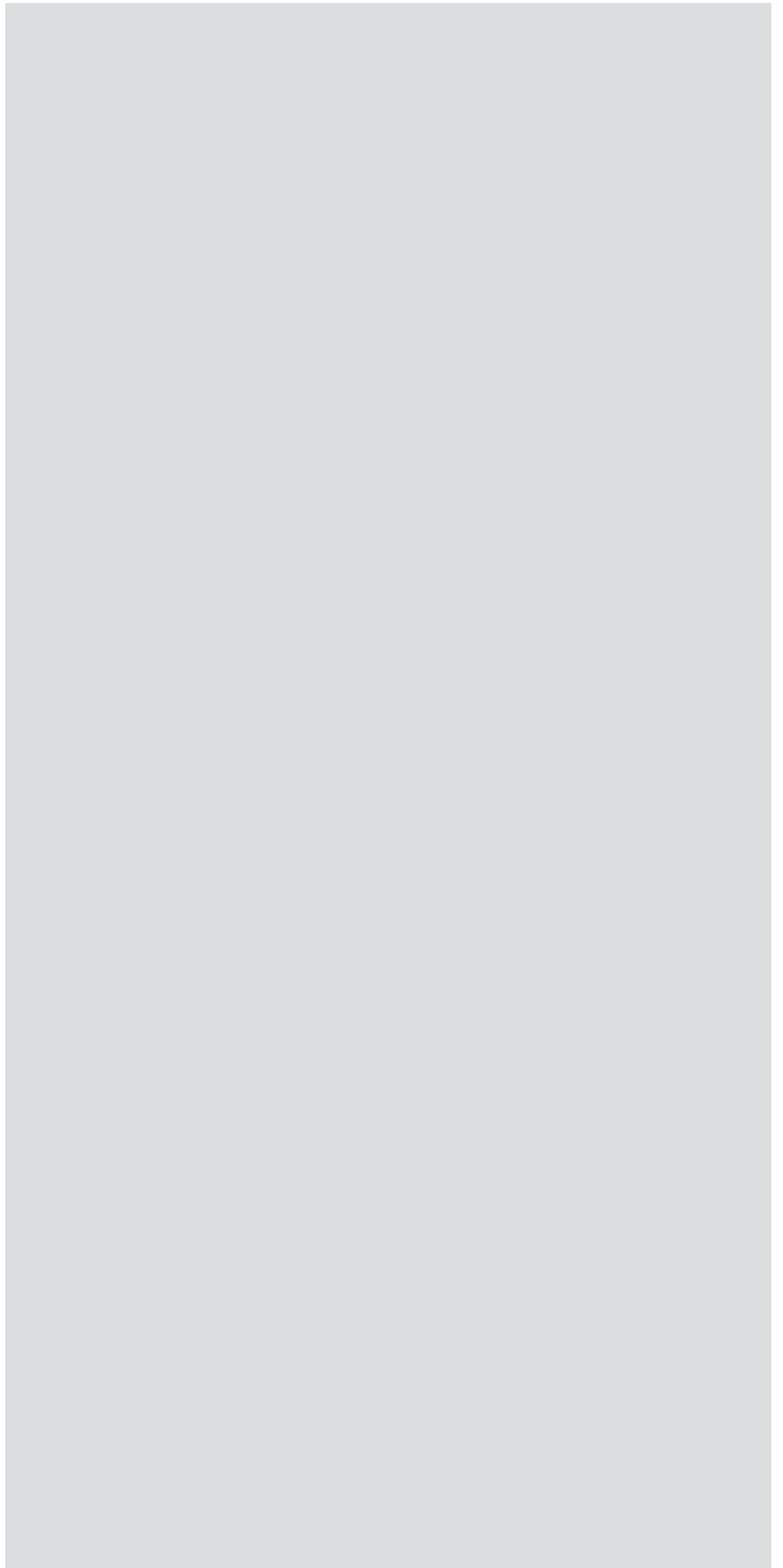
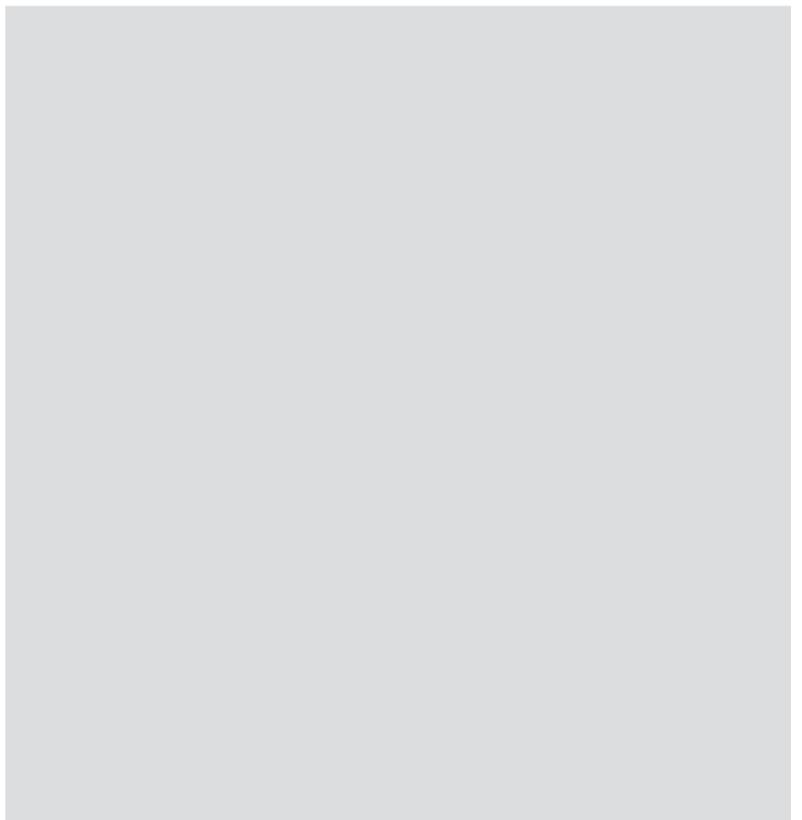
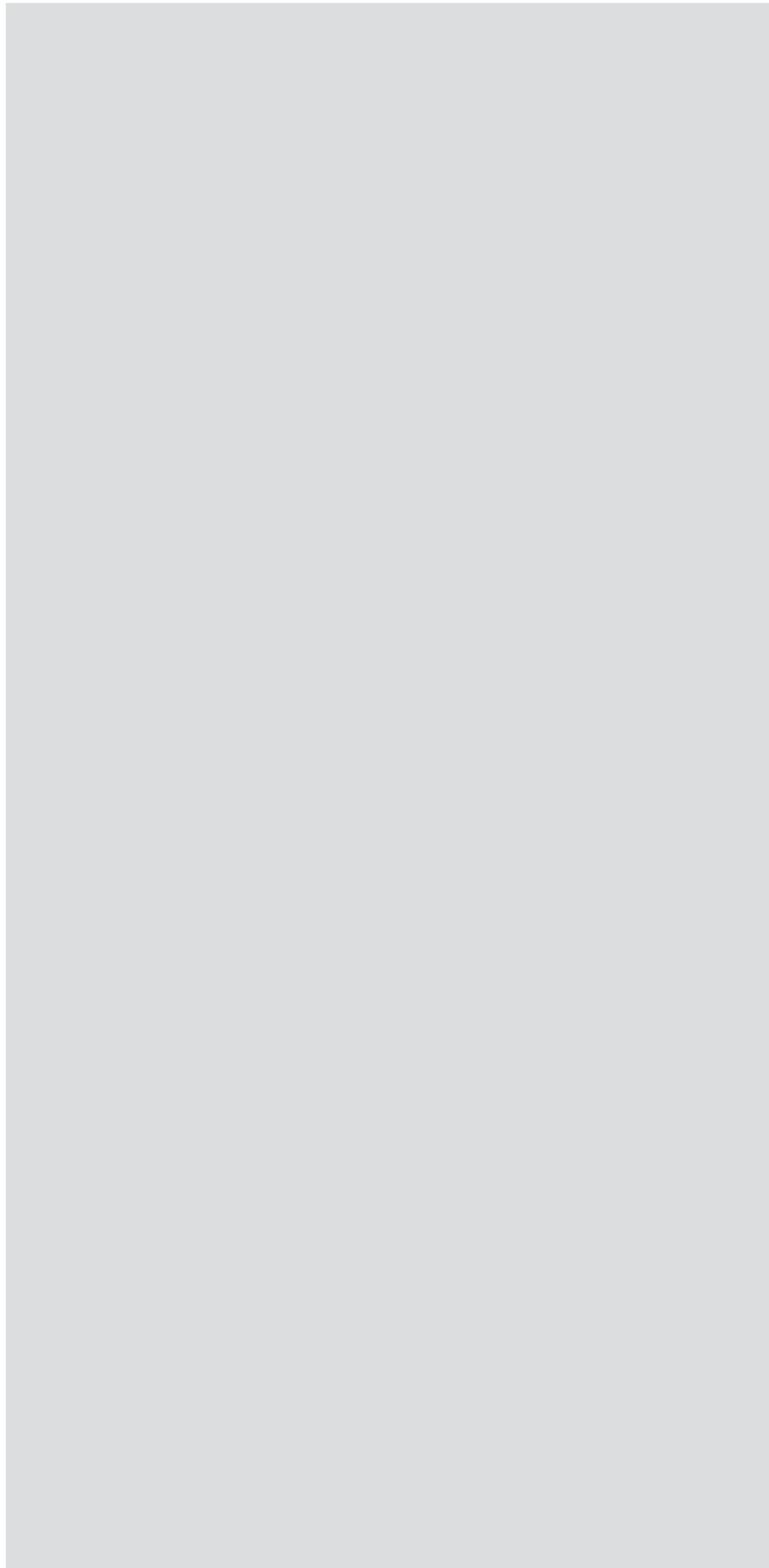
grandchildren Amberlee, 9, and Patrick, 8, to the practice. Barker said she found out about the League of Dreams from a friend and now spreads the word during their appointments at the Kennedy Krieger Institute in Baltimore.

"They loved it from the first week and they couldn't wait to come back," she said. "It's good exercise for Amber. She's not a fast runner and has trouble in school, but here she has no problem and they both get to meet other kids."

Volunteer Elissa Balog, an employee with Picerne Military Housing, a League of Dreams sponsor, is in her second year with the program she calls "fantastic."

Picerne is all about families and League of Dreams fits right into its motto of "Families First," she said.

To volunteer or to learn more about the league, call the EFMP coordinator at 410-278-2420 or the league office at 410-719-1641, or visit [www.leagueofdreams.org](http://www.leagueofdreams.org).





## ***Showing our appreciation***

Marilyn Howard, Army Community Service, gives Marcia Quezada a gift basket and T-shirt during a military spouse appreciation event hosted by Family and Morale, Welfare and Recreation in the lobby of the APG North (Aberdeen) recreation center May 9. The event featured giveaways and raffle prizes.

Photo by Rachel Ponder



Photo by Sean Kief

## ***APG's Armed Forces Week breakfast reaffirms commitment to its Gold Star Families***

Maryland Gold Star Mothers and Family members received an Aberdeen Proving Ground welcome to Armed Forces Week activities May 16, with a breakfast at the main post chapel followed by a ribbon-cutting ceremony dedicating the new Gold Star Family Gazebo near the chapel's meditation garden. Maryland Gold Star Mothers president Carol Roddy (far right) and Chaplain Janice Chance (middle) were on hand with a host of other members and Family members to hear encouraging words from APG leaders before joining in the dedication ceremony.

Maj. Gen. Robert Ferrell, APG and CECOM commander, and Col. Orlando Ortiz, Garrison and deputy installation commander, assured the families they remain a part of the Army Family. (At left) Frank Curreri of Baltimore, a Gold Star father who sings professionally, entertained guests during the meal. Curreri lost his son, an Army infantryman, in October 2007. Since then he performs for troops whenever possible.

"Ten years ago who would have counted on this younger generation to stand up and do what they're doing," he said. "This is all out of respect for the men and women who serve this country. Without them we are doomed." Annette Sanders, Survivor Outreach Services support coordinator, thanked Chaplain (Col.) Wayne Boyd and the chapel staff for supporting the event as well as MWR and Women in Defense. Patricia Jackson, an SOS financial counselor from Fort Meade, and Military Family Life Consultant Jeff Shinal also assisted the event.

The gazebo is open for meditation 24 hours-a-day and will be used for Survivor events and other programs. After the breakfast and ceremony attendees moved across the road to the APG Museum grounds to take in Armed Forces Week opening ceremonies, demonstrations and displays. See more Armed Forces Week photos on the APG Flickr site at [www.flickr.com/photos/usagapg](http://www.flickr.com/photos/usagapg)

# ECBC, SAIC answer Army's call for green tech

ECBC news release

The U.S. Army Edgewood Chemical Biological Center (ECBC) and contracting firm SAIC are answering the Army's call for more green technologies to be developed by partnering to create the Tactical Garbage to Energy Refinery (TGER) 2.0 system.

To do so, ECBC and SAIC have entered into a cooperative research and development agreement (CRADA), which is an agreement between a government agency and a private company to work together on research and development to speed the commercialization of technology.

The TGER system is a deployable unit that is designed to convert military field waste into immediately usable energy at forward operating bases, on the battlefield or in a crisis area. The system is a biorefinery, trailer-mounted hybrid technology capable of converting waste product – such as paper, plastic, packaging and food waste – into electricity via a standard 60kW diesel generator. It uses fermentation and gasification subsystems in a complementary manner to optimize performance and to address the broadest possible military waste stream.

As ECBC's James Jay Valdes, Ph.D., Scientific Advisor for Biotechnology, points out, "Transporting fuel in and waste out of an operations center creates all sorts of unnecessary problems that can be addressed by the TGER. It allows the warfighter to have a clean environment with a readily available energy source, and it saves the military money and possibly warfighters lives."

With a zero carbon footprint, the system creates a 30 to 1 reduction in waste,



The Tactical Garbage to Energy Refinery (TGER) 1.0 system prototype underwent field testing at Camp Victory, Iraq, where it was exposed to unforgiving 120 degree temperatures and sand storms.

Photo by James Jay Valdes

generates a non-toxic ash by-product, which has been tested by the Environmental Protection Agency as completely safe, and decreases diesel usage by an astonishing 95 percent. The net electrical energy efficiency of the system is 90 percent, and only 10 percent parasitic power needed. Additionally, TGER is able to reclaim and distill water from the liquid waste added to the system.

The TGER also addresses two significant problems in an overseas crisis deployment. The first problem is access to dependable energy. Previous operations have shown that, despite advanced logistics and host nation resources, access to fuel – particularly during the early months of a crisis – can be difficult. The second

is the cost and operational difficulties for waste disposal. Delivery of materiel to new military positions creates huge vol-

umes of waste, and its removal inflicts costly and complex logistics and security overhead, to U.S. Armed Forces. The TGER system will provide significant cost savings by reducing the need for acquisition and distribution of fuel via convoys vulnerable to attack.

"SAIC is very excited about this waste-to-energy program – it is not every day that we can work on a project that protects military service members' lives as well as the environment. Working with Defense Life Sciences has been extremely rewarding, and we are looking forward to maturing this technology all the way to a Department of Defense fielded system," lead SAIC researcher Geoffrey L. Doyle, Ph.D. stated. "We are equally excited about the establishment of a CRADA with ECBC, thus ensuring Dr. Valdes' limitless enthusiasm and invaluable understanding of the technology continues to benefit this program."

In 2008, two TGER 1.0 prototypes of the system were sent to Camp Victory in Iraq, where it underwent unforgiving 120 degree temperatures and sand storms. The TGER 1.0 performed fairly well, even in such stressful conditions. Taking the system out of the laboratory and into the real world allowed the scientists to stress the system to validate what worked and what didn't work. TGER 2.0 was created from all lessons learned from taking TGER 1.0 into a theater of operations.

The military is not the only consumer that would benefit from this dynamic technology created by ECBC and SAIC. According to Valdes, "TGER could pro-

vide power in situations such as a post-Hurricane Katrina event, where garbage and waste are readily available but energy is scarce. It could provide enough energy to power hospitals and homes in such cases."

ECBC and SAIC also worked in coordination with the U.S. Army Rapid Equipping Force, Defense Life Sciences LLC and Purdue University developing the TGER system.

### How it works

1. Waste materials are collected from the field dining facility.
2. Solid bulk waste materials (cardboard, plastic and other packaging materials) are reduced to particulate and then thermo-chemically converted to a highly energetic synthetic gas.
3. Liquid and wet food waste is introduced to a biocatalytic processing chain that converts those materials to bioethanol.
4. A series of energy and material exchanges between the thermo-chemical and biocatalytic subsystems increase system efficiency and performance.
5. The waste derived synthetic gas and bioethanol are then fumigated to a diesel generator set displacing the diesel fuel demand to less than 5 percent at full electrical load.
6. Water from the liquid food waste is reclaimed and available as heated distilled water.
7. Normal engine exhaust and benign ash are the only system effluents.

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

**SAIC is very excited about this waste-to-energy program – it is not every day that we can work on a project that protects military service members' lives as well as the environment. Working with Defense Life Sciences has been extremely rewarding, and we are looking forward to maturing this technology.**

**Geoffrey L. Doyle, Ph.D.**  
Lead SAIC researcher

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Visit us at <http://apgnews.apg.army.mil/archives/archives.html> or scan the QR code

# MARK YOUR CALENDAR

## TODAY TECHNOLOGY NEEDS TEENS

Harford Community College will host 180 students from nine Harford County middle schools for the 5th Annual "TNT - Technology Needs Teens," a day filled with science and technology fun. TNT is a one-day program for a select group of eighth grade students to learn from hands-on presentations by professionals in the science, technology, engineering, and mathematics (STEM) fields. Hands-on learning workshops will be held in Aberdeen and Bel Air Halls from 9:30 a.m. to 1:30 p.m. Committee members and presenters include representatives from Edgewood Chemical Biological Center (ECBC), SAIC, Smith Detection, American Chemical Society, Harford Community College, Senior Science Society, CERDEC, TIC Gums, and Towson University. Call 443-412-2447 or email [dcasey@harford.edu](mailto:dcasey@harford.edu) for info.

## SUMMER EXPO AND MOTORCYCLE RALLY

To celebrate the beginning of summer and National Motorcycle Safety Month, there will be an MWR summer activities expo and a motorcycle safety rally May 24 from 11 a.m.-2 p.m. at the Outdoor Recreation parking lot, Bldg. 2184. There will be motorcycle safety information, free safety inspections for those who ride, information and displays for all new and potential motorcycle riders, MWR summer recreation program displays, competitions and door prizes and a group safety ride after the event.

For information about the route or event, visit [www.apgmwr.com](http://www.apgmwr.com), or call 410-278-4124.

## SATURDAY MAY 26 POOLS OPEN SATURDAY

The Bayside and Olympic pools will open from 11:30 a.m. to 7 p.m.

Active duty and their Family members are free. Visit <http://www.apgmwr.com/recreation/odr/swimming.html> for information.

## SUNDAY MAY 27 MCVET HOSTS 5K/10K RACES

The Maryland Center for Veterans Education and Training (MCVet) will host its 17th Annual 5/10K Memorial Day Weekend Races, starting and ending at the War Memorial Building near City Hall in Baltimore 7:30 a.m. The races are open; amateur races and the courses are USATF certified and sanctioned. Entry fee is \$20; \$25 on race day.

Every runner receives a race T-shirt. Refreshments will be provided. An award ceremony follows each race and runners must be present to win. This is an AMB Chip Timing race provided by Charm City Run. For information, call 410-308-1870 or visit [www.charmcityrun.com](http://www.charmcityrun.com); or call 410-576-9626, ext. 225 or visit [www.mcvet.org](http://www.mcvet.org). Register online at [www.active.com](http://www.active.com).

## FEED THE JEWELS OF NATURE

Create a beautiful hummingbird feeder that will help attract and support these amazing creatures. This program is 12:30 to 2 p.m. for ages 14 to adult. The cost is \$6 and online registration is required at [www.otterpointcreek.org](http://www.otterpointcreek.org).

For information or directions to the Anita C. Leight Estuary Center, call 410-612-1688 or 410-879-2000, ext. 1688.

## MONDAY MAY 28 HOLIDAY FITNESS HOURS

Because of the Memorial Day holiday, APG fitness classes will not meet at the APG North (Aberdeen) or South (Edgewood) recreation centers on Monday, May 28. They will resume Tuesday, May 29. Visit [www.apgmwr.com](http://www.apgmwr.com) for fitness class times and locations.

## HOLIDAY GATE HOURS

There will be reduced gate operations at APG on Memorial Day. The Harford Gate (Route 22) in the Aberdeen Area will close at 7 p.m. Friday, May 25 and the Wise Road Gate (Route 755) in the Edgewood Area will close at 6 p.m. Friday, May 25. Both gates will reopen at 5 a.m., Tuesday, May 29.

The Maryland (Route 715) Gate in the Aberdeen Area and the Route 24 Gate in the Edgewood Area will be open throughout the holiday period.

## NEXT WEEK May 28-29 THE SESAME STREET AND USO EXPERIENCE FOR MILITARY FAMILIES

APG's Family and MWR and USO are teaming up to bring The Sesame Street and USO Experience for Military Families to the APG North (Aberdeen) post theater May 28 - 29. This free 40-minute "mini-show" features six of the popular Sesame Street characters, including a new character created especially for USO—Katie, a military child. Elmo and his pals will help Katie—open up about her fears and excitement in dealing with relocation, change and making new friends.

Open to all DoD ID cardholders and Families. Pick up tickets at: CYSS Central Registration and APG North and South CDCs. Open to all ages. Show times are May 28 at 2 p.m. and 4:30 p.m. and May 29 at 10 a.m. Call 410-278-1399.

## WEDNESDAY MAY 30 SUICIDE WORKSHOP STARTS

The APG community is invited to attend the Applied Suicide Intervention Skills Training (ASIST) workshop from 8 a.m.- 4 p.m. At 4305 Susquehanna Ave, Room 243 A&B.

The two-day workshop will be offered for anyone who wants to feel more comfortable, confident and competent in helping prevent the immediate risk of suicide. More than one million caregivers worldwide have participated. Attendees will learn skills to help identify those at risk and how to listen better to and care for people with thoughts of suicide. The workshop is open to military (all ranks), civilian employees, ombudsmen, and adult Family members. Attire is civilian clothes. Active duty and civilian personnel should obtain their supervisors approval.

## THURSDAY MAY 31 RAB MEETING

The next Restoration Advisory Board meeting will be held 7 p.m. at the Ramada Conference Center in Edgewood. The topics will be Canal Creek, SediMite Update and New O-Field.

## FRIDAY JUNE 1 ARMY SOLDIER SHOW

The 2012 U.S. Army Soldier Show comes to APG at the APG post theater. Show times are 11:30 a.m. and 7 p.m. The show is free and open to the public. Seating is limited. For information, call 410-278-4011/4907 or visit [www.apgmwr.com](http://www.apgmwr.com).

## JAZZ CONCERT

Begin your summer listening with a variety of jazz selections during the Lou Natale jazz concert, 7:30 - 9 p.m. at Millard E. Tydings Park in Havre de Grace, Md., 21078. The event is free. Bring chairs and picnics. No rain location. Call 410-939-2100 for information.

## SATURDAY JUNE 2 MONSTER JAM TICKETS

Don't miss the high-flying fun, car-crashing craziness and hardcore horsepower June 2 at 7 p.m. at the M&T Bank Stadium in Baltimore. All seats are \$22 and located in section 148. Tickets must be purchased before May 25. To purchase your tickets, visit the MWR Leisure Travel Services at the APG North recreation center, Bldg. 3326. For information, call 410-278-4011/4907 or email

[APGR-USAG-MWR-LeisureTravel@conus.army.mil](mailto:APGR-USAG-MWR-LeisureTravel@conus.army.mil).

## SATURDAY JUNE 9 AMERICAN LEGION DANCE

Dance featuring Live Band Lix is set at Susquehanna Post 135, 300 Cherry Street in Perryville, from 8 p.m. to midnight. Tickets are \$10 in advance, \$12 at the door, and includes draft beer, pretzels, and chips. Event benefits Sons of The American Legion.

## TUESDAY JUNE 12 RESIDENT PICNIC & BIKE RODEO

Picerne Military Housing will host the annual Resident Picnic at 2727 Chesapeake Blvd. from 3:30-6:30 p.m. Join Picerne for Family activities including games, a kids moon

bounce, face painting and complimentary food.

The Directorate of Emergency Services will also host its annual bike rodeo in conjunction with the picnic. Children need to bring their own bikes and helmets in order to participate.

The event is free to on-post residents. Call 410-305-1076 for information.

## SATURDAY JUNE 16 APG YARD SALE

Get together your used goods and reserve a table at the APG community yard sale from 8 a.m.-2 p.m. in the APG North (Aberdeen) recreation center. This is the perfect event to get rid of unnecessary items taking up space in the garage. Cost for table reservations is \$20 for one 6-foot table and \$35 for two 6-foot tables. To reserve a space on the patio, cost is \$15 for one 6-foot space and \$25 for one 12-foot space. Tables and chairs will be provided. All items for sale must be clean and in working condition. Call 410-278-4011 for reservations and info.

## SUNDAY JUNE 24 VBS STARTS AT APG

Children in pre-school (age 5) through 6th grade are invited to Vacation Bible School at the post chapel at APG North through June 28.

This year's theme is Rocky Point Lighthouse. Enjoy memorable Bible studies, catchy songs, Christian crafts, snacks and games. Register as early as possible, no later than June 10.

Nursery is available for volunteers only who have children ages 4 and younger.

For information, contact Gerri Merkel, the director of Religious Education at 410-278-2516 or [caroline.j.merkel.civ@mail.mil](mailto:caroline.j.merkel.civ@mail.mil).

## ONGOING KANSAS, BOSTON, GRAND FUNK TICKETS TO GO ON SALE

APG MWR and Army Entertainment present Boston with special guests Kansas and Grand Funk Railroad Aug.

11. Presale tickets will be sold to the APG community through May 26 for \$25 at the APG recreation centers. Walk-in only. For information, call 410-278-4011 or 410-436-2713.

## BLUE STAR MUSEUMS PROGRAM RETURNS

Active duty military personnel and their Families can get free admission to several Virginia museums this summer. The Virginia Museum of Natural History in Martinsville, the Virginia Museum of Fine Arts in Richmond and several others are among 1,600 museums nationwide that are offering free admission to military Families through Labor Day. The Blue Star Museums program is a partnership with the National Endowment for the Arts and Blue Star Families.

## FY12 ANNUAL HYDRANT FLUSHING

The annual hydrant flushing at APG is set through May 25. Flushing will take place Monday through Friday weekly between 7 a.m. and 5 p.m., and will follow the schedule below. For more information, contact government representative Dennis Overbay at 443-206-8910 or City of Aberdeen representative Curtis Ball at 410-278-2335.

■ Through May 25, ARL and restricted areas

Residents may see brown water increase after flushing and can run the taps to help eliminate discoloration. If brown water persists, call the 24-hour DPW hotline at 410-306-1400.



**MORE  
ONLINE**

More events can be seen at [www.apgnews.apg.army.mil/calendar](http://www.apgnews.apg.army.mil/calendar).

# APG employees take top FEB honors

By **RACHEL PONDER**  
APG News

The Baltimore Federal Executive Board held the 45th Annual Excellence in Federal Career Awards Luncheon and ceremony May 4 at Martin's West.

APG employees or groups garnered 11 gold, 27 silver and 51 bronze awards. Supervisors from federal installations or organizations submitted nominees for FEB awards months in advance and a blue ribbon panel of senior executives, along with members of the executive committee, selected the winners.

Gold winners are as follows:

## Category 1a-Outstanding Supervisor-GS13 and Above

### Lt. Col. Timothy J. Byrne

Byrne's role as Air Force liaison officer to the United States Army Medical Research Institute of Chemical Defense; chief of administration for the Chemical Casualty Care Training Program; and director of the hospital management of CBRNE Course has been invaluable in preparing U.S. and allied nations' medical personnel to manage chemical casualties.



Byrne

These efforts are at the heart of major national initiatives to improve homeland defense against chemical terrorism. His achievements in medical education and military readiness in this critical area of national defense have been significant, global and continuing.

"I was humbled after reading the other candidates' short paragraphs of why they were nominated it was quite apparent to me that they all had put in countless hours and years of dedicated service in their particular areas of work," Byrne said. "I would like to thank my wife, Jackie, and all her sacrifices that we have shared throughout our career endeavors. In addition, all those who work with me to provide a safer world by preparing DoD and civilians to manage and medically treat those casualties of a CBRNE incident."

## Category 1c-Outstanding Supervisor-Trades and Crafts

### Craig Carroll

As facilities manager of the of the G-9 Facilities Office for the U.S. Army Materiel Systems Analysis Activity, Craig Carroll independently developed, directed, and led multiple, significant facilities renovation projects throughout 2011. Renovations included converting a barracks building into administrative space (to include HVAC upgrades, entire installation of data and phone network systems, etc.) for transition of personnel, shutdown and movement of the organization's classified network servers and network hub, and timely coordination of personnel moves to minimize interruption of analytical support provided to current operations.



Carroll

"I was honored to receive such a prestigious award," he said. "I was surprised, given the impressive accomplishments of my fellow nominees. I would like to thank the AMSAA G-9 office who works so selflessly every day."

## Category 2a-Outstanding Professional (Nonsupervisory) Technical, Scientific & Program Support

### Dr. John M. McDonough

Dr. John M. McDonough, from the U.S. Army Medical Research Institute of Chemical Defense, is recognized throughout the international medical chemical defense community as formulating a complex hypothesis and model of the progression of neuropharmacological and neurochemical changes that initiate and maintain nerve agent-induced seizures and how these result in subsequent neuropathology.



McDonough

McDonough's studies are extensively published. He has over 66 manuscripts published in peer-reviewed journals and over 57 government and other type publications. In the last three years, he has secured over \$14.8 million from different funding agencies for his laboratory. His ability to secure funding demonstrates that major funding agencies respect and trust his ability to pioneer studies on the most highly prioritized targets in medical chemical defense.

"I feel honored to be nominated and

would like to thank my supervisors who thought my work worthy of being considered," he said. "Most of all I want to thank all my research collaborators and technicians, both military and civilians, who that I have worked with over my 35 years at MRICD. They are great co-workers and together we have and will continue to improve the medical treatment of chemical casualties. MRICD is a great place to work and the science only keeps getting more interesting."

## Category 3a-Outstanding Para-Professional (Non-Supervisory) Technical, Scientific & Program Support

Winston Worrell serves as a paralegal specialist overseeing all claims activity within the Client Services Division, Office of the Staff Judge Advocate. Worrell's steady leadership and willingness to share claims knowledge led the Division to success during the personnel shortages and tremendous growth associated with the 2005 Base Realignment and Closure initiative. In 2011, Worrell provided critical assistance in a variety of tort cases to include a \$6,000,000 medical malpractice claim, two worker injury claims totaling \$2,850,000 and two wrongful dismissal employment claims totaling \$975,000. His aggressive pursuit of recovery actions on behalf of the Army resulted in 35 settled affirmative claims and recovery of over \$64,000 in funds which were later used to repair Army property and subsidize medical treatment facilities providing health care to Soldiers and their Family Members.



Worrell

"Considering the level of competition, I felt very honored to be selected as the gold recipient in my category, it was definitely a surprise," Worrell said. "I want to give thanks to God for blessing me throughout my life. I would also like to thank Eric Feustel, chief of Client Services Division for recommending me for the award."

## Category 3c-Outstanding Para-Professional (Non-Supervisory) Administrative Management Analyst, GS8 & Above

### Sgt. 1st Class John E. Evans

Sgt. 1st Class John E. Evans serves in the S-3, Training, Operations and Plans Office at the U.S. Army Medical Research Institute of Chemical Defense. After he assumed the roles and responsibilities as Deputy for the S-3 office in April 2011, Evans realized a critical gap existed in how training records and the handling of taskers from higher headquarters were processed, and he demonstrated outstanding initiative by standing up this much-needed staff office to serve as a centralized location for all training, operations and plans at MRICD.



Evans

He built a highly functional operations team from inexperienced members. Evans' initiative, resourcefulness and leadership resulted in greatly enhanced capability to maintain training records and manage taskers for the entire organization with great efficiency and process integrity.

Further, his work supporting 52 Department of Defense Activity Address Codes (DODAAC) accounts was flawless - meeting or surpassing the time to fill their high priority requisitions. In all that he did he went above and beyond to support the command and the mission making the 302d Signal Battalion's SSA second to none.

Evans thanked his supervisors who nominated him for the gold award.

"After putting so much time and effort into my job, it is nice to be recognized," he said.

## Category 4a-Outstanding Administrative Assistance/Management Assistant

### Lucille F. Bianco

Lucille F. Bianco, from the 20th Support Command (CBRNE), serves as assistant to the commanding general. In this capacity, she provides critical support and expertise to the CG and senior leaders of the command group. She synchronizes and schedules meetings, diligently monitors calendars, anticipates needs to resolve conflicts, recom-



Bianco

mends solutions and secures meeting coverage, leads weekly calendar review meetings for all key leaders to de-conflict and prioritize events, and takes the initiative to adapt schedules to shifting priorities, as frequent least minute conflicts arise and she constantly keeps the command group aware of changes.

"I feel blessed and honored to be nominated," she said. "I am fortunate to enjoy coming to work every day. The 20th Support Command (CBRNE) is a great organization led by an outstanding commander, Brig. Gen. Leslie Smith. The people I work with do great things for our nation and our Soldiers every day and I am honored to have a small part of that mission. I want to thank the 20th CBRNE Command Group for being so supportive; it is great to know my work is appreciated."

## Category 4b-Outstanding Administrative Work Group or Team Administrative Support Team

### U.S. Army Test and Evaluation Command (ATEC) Administrative Support Team

The U.S. Army Test and Evaluation Command (ATEC) Administrative Support Team consists of all the senior administrative professionals who have volunteered to serve as members of the group in order to ensure administrative excellence. The team took charge during the recent total reorganization of ATEC that ensured all administrative processes continued to flow smoothly, thereby ensuring that the leaders and technical staff members could focus their efforts on testing and evaluation initiatives that are saving our Soldiers' lives. They are well known throughout the command for their can-do attitudes and always setting the example for their counterpart personnel as well as for new employees. Their multi-tasking efforts have ensured the continued success of the test and evaluation mission throughout the Army.

"I would like to thank all the team members and the ATEC senior leaders for recognizing the hard work of our administrative staff," said Sherri Montgomery, executive assistant to Maj. Gen. Genaro J. Dellarocco, and leader of the ATEC Administrative Support Team.

"The FEB Awards Program is one of the most well organized events and affords superior recognition to our Federal workforce."

## Category 7a- Heroism-Individual Heroic Act

### Spc. Leslie S. Greenway

Spc. Leslie S. Greenway was the first person on site following a serious incident that resulted in multiple injuries to a member of the U.S. Army Medical Research Institute of Chemical Defense research staff. Greenway promptly triaged the patient, administered first aid, and evaluated the need for higher echelon care and ensured that supervisors were informed of the event and coordinated notification of emergency medical personnel.



Greenway

Upon their arrival, Greenway interacted with the first responders and professionally directed their actions to ensure that required Herpes B virus prevention measures were performed. Assisting as needed, she continued to provide care for the patient, and after evacuation she coordinated clean-up efforts. Although working outside her primary area of expertise, Greenway performed each action with the highest level of appropriateness, professionalism, and empathy towards the wounded individual. She demonstrated outstanding competency in an emergency situation, and her quick actions and calming influence played a significant, positive role in the assessment and care of this wounded staff member.

## Category 8a-Volunteer Service-Individual Award

### Christopher Akins

Christopher Akins has served in the government for twenty-six and a half years as a devoted and distinguished military and civilian servant. Twenty of those years were served in the military where he rose to the rank of Master Sergeant. Upon retiring from the military, Akins continued his federal service career as a civilian with the United States Army Test and Evaluation Command. Akins actively volun-



Akins

teers in his community as a member of the Mount Zion Baptist Church where he is an ordained deacon. Akins serves on the Deacon Board, the Men's and Celestial Choir and Outreach Ministries. During his off duty time, Akins can be found on any given day volunteering in the local community attending to the needs of the people. Some of a few of his volunteer community efforts include: Church Grief Ministry attending to the needs of those in the church and community who have lost their significant others or their jobs; soup kitchen volunteer feeding the poor and the homeless at the local "Spin Center Soup Kitchen" in Aberdeen, Md.; and Outreach Ministry, making visits to troubled and drug infested community neighborhoods, and visiting local prisons.

"I would like to thank the Lord for his guidance and the opportunity to do his will for his people," Atkins said. "Though I am thankful and accept this recognition, my efforts are not for earthly rewards. "I would also like to thank U.S. Army Test and Evaluation Command for affording me the opportunity to have employment and work within such an organization."

## Category 9-Distinguished Public Service Career

### Harry Cunningham

In over 40 years of federal service, Cunningham was known for his pioneering breakthroughs and solid leadership skills. From the start of his career as a Second Lieutenant in the Signal Corps to his last position as the director of the Test Technology and the Command, Control, Communications and Computers Directorates at the U.S. Army Aberdeen Test Center, he continuously broke new ground on every challenge he faced.



Cunningham

Cunningham was instrumental in developing the Test and Evaluation Command's first all-digital instrumentation system, and applied it to key air defense testing. He presided over the development of a pioneering system - Versatile Information System On-line Network (VISION). VISION was so successful that it was established throughout ATEC.

After noticing that new college graduates were being hired by private industry, and not the government, he single-handedly went to the universities and hired the best and brightest. He mentored these new hires and ensured that these aspiring engineers were challenged by supervisors.

"As a supervisor your performance is in very many ways a reflection of the personnel who have worked for you," Cunningham said. "So I believe my receipt of this award is very much a reflection of their superlative efforts, not necessarily mine. ATC is a fantastic place to work and I have been blessed to work with an incredible group of civilian, military and contractor employees who are so dedicated to helping protect our brave Soldiers by ensuring they get the best equipment this nation can provide."

## Category 10b- Rookie Employee of the Year Technical Scientific and Program Support

### Dr. Kristopher Darling

During his short time employed by the Army, Dr. Kristopher Darling has taken great initiative through his research endeavors and has shown remarkable results in identifying the make-up and improved techniques to safely manufacture a new class of metal alloys with superior properties.



Darling

Darling was hired in October 2010 to provide materials science and engineering research support for the U.S. Army Research Laboratory. Darling investigates and designs materials to enhance the protection of Soldiers while in training or in combat, protect workers who handle such materials during production and the lifecycle of a product, and preserve the integrity of our environment by keeping landfills free from toxic substances.

"I was surprised to be selected. I would like to say that I am very fortunate, to enjoy coming to work every day with the excitement of what might be discovered and its potential impact for helping our Soldiers," Darling said. "I would like to thank all of my co-workers and colleagues for their help in support of my research."

Visit [www.apg.army.mil](http://www.apg.army.mil) for the complete listing, including silver and bronze award winners.



Photo by Terri Kaltenbacher

(From foreground) Heroes on the Home Front award recipient Joe Ondek, an ATC contractor, and Purple Heart recipient Kelly Keck, an ATEC employee, hug after firing the first rounds during the live fire demonstration May 19.



Photo by Sam Posten

The M1A2 Abrams Main Battle Tank fires a round at a target during the May 19 live fire demonstration, sponsored by ATEC's Aberdeen Test Center. About 4,000 free tickets were handed out for the standing-room only event, held at APG's main front firing range.

# Community honors Armed Forces, local heroes

By **YVONNE JOHNSON**  
APG News

Hundreds of visitors, including students from area schools and Free State Challenge Academy cadets, were in attendance for the Armed Forces Day celebration and opening ceremony at the APG Museum Grounds May 16.

The ceremony included patriotic music and songs from local schools and an ID tag presentation to new Army recruits. Soldiers from the 20th Support Command (CBRNE), 22d Chemical Battalion and HHC Garrison, along with aviators from the Maryland National Guard provided an improvised explosive device demonstration during the ceremony.

Guests included members of the Maryland Gold Star Mothers.

"No one has sacrificed more for our nation than these great Families," said narrator Janet Dettwiler.

Maj. Gen. Robert S. Ferrell, APG senior leader and commander of the U.S. Army Communications-Electronics Command, welcomed guests and praised the APG workforce and all who worked to make the day a success.

Noting the 2012 theme to honor "Heroes on the Home Front," Ferrell said community support is essential to ensure Warrior's success and that a hero would be honored during each Armed Forces Week event.

"Because heroes include those who support

our warfighters we will take the time to welcome our hometown heroes," he said.

The Heroes on the Home Front award went to Larry D. Perry III, a CECOM administrative assistant and Wounded Warrior. Perry was injured in a 2006 IED attack and has had 30 surgeries. He received a certificate of appreciation from Ferrell and certificate of appreciation and coin of excellence from Sergeant Maj. of the Army Raymond F. Chandler III.

After the ceremonies, visitors took in more than 50 displays and demonstrations on the museum grounds.

Heroes on the Home Front certificates of appreciation were also awarded to:

■ Sgt. 1st Class Lafonte Bennett of the U.S. Army Research Laboratory during the May 14 golf tournament that kicked off Armed Forces Week at Ruggles Golf Course.

■ Mary Jane Jernigan, the state president for the Association of the United States Army (AUSA) and the director of APG Programs for TASC, during the Veteran's Luncheon at Top of the Bay May 15.

■ Denise Carnaggio, deputy director of the Harford County Office of Economic Development, during the May 17 Military Appreciation Luncheon at Richlin Ballroom in Edgewood. Also during the luncheon Sgt. Olayiwola Kugblenu and Sgt. Matthew J. Gansel of the Kirk

U.S. Army Health Clinic were named APG NCO and Soldier of the Year, respectively, and APG Family of the Year went to Master Sgt. Joseph Calhoun, a military evaluator with the U.S. Army Test and Evaluation Command's Army Evaluation Center. Calhoun's wife Darlene, daughter Kasedra, and sons Kenyon, Jermell and Kendall were also recognized.

■ Joe Ondek, who has served the federal government in military, civilian and contractor positions for more than 53 years, at the live fire demonstration at the main front firing range May 19. Ondek is an ATC contractor in the Military Environmental Test Demonstration Center and Environmental Division.

During a May 16 Gold Star Families breakfast, hosted by APG's Survivor Outreach Services, a new structure behind the chapel's medication garden, was dedicated. The Gold Star Family gazebo will be used for Survivor events and other programs, and will serve as a reminder that Gold Star Families remain a part of the Army Family.

"We, in uniform, appreciate everything you have gone through," said Garrison Commander Col. Orlando Ortiz to the attending Families. "Our doors and our gates are always open to you."

**FOR MORE INDEPTH COVERAGE OF THE WEEK-LONG ACTIVITIES, VISIT THE APG HOMEPAGE, APG LIVE WEBSITE AND APG FACEBOOK.**



Photo by Rachel Ponder

A Soldier from 20th Support Command (CBRNE) participates in an improvised explosive device demonstration during the Armed Forces Day opening ceremony May 16 on the museum grounds.



Photo by Rachel Ponder

Leftstronger's front man Jesse Magee energizes the crowd during the Armed Forces Day open house May 16.



Photo by Rachel Ponder

Kevin White, a contractor as representative soldier (CARS) from Aberdeen Test Center, shows Phillip Tran, 5, a .50 caliber machine gun during the static displays May 19.



Photo by Claudette Murray

Area runners participated in this year's Armed Forces Day 10K run that began and finished at the APG North (Aberdeen) Athletic Center May 19.



Photo by Yvonne Johnson

(From left) ATEC Command Sgt. Maj. Allen G. Fritzsching chats with Gold Star mother Edith Canapp during the Gold Star Family Breakfast at the main post chapel May 16.

# CMA completes disposal mission, makes world safer

Continued from Page 1

destroying nearly 90 percent of the United States' declared chemical agent stockpile—more than 27,000 tons of chemical nerve and blister agents, contained in more than 2.3 million munitions and bulk containers.

Speakers at the ceremony included Barclay; Mr. Conrad Whyne, former CMA director and current program executive officer for the Assembled Chemical Weapons Alternatives; Maj. Gen. (Ret.) Claude M. Bolton, Jr., former assistant secretary of the Army for Acquisition, Logistics and Technology; Ambassador Robert P. Mikulak, U.S. permanent representative to the Organisation for the Prohibition of Chemical Weapons (OPCW); Ambassador Ahmet Üzümcü, director-general of the OPCW; Carmen Spencer, deputy assistant secretary of the Army for the elimination of chemical weapons; and Dr. A. Tom Hopkins, deputy assistant secretary of defense for threat reduction and arms control.

“CMA has shown the world that tough jobs can be accomplished safely,” said Spencer. “CMA has achieved tens of millions of consecutive safe hours worked, and the numbers show that working in a CMA chemical demilitarization plant is as safe as working at a software publishing company. That’s a stellar accomplishment.”

With completion of its disposal mission, CMAHQ will focus on its remaining missions, including the assessment and destruction of recovered chem-



Courtesy photo

Chemical Materials Agency Acting Director Don Barclay, alongside the brass quintet of the U.S. Army Field Band, welcomes audience members to the End of Stockpile Operations ceremony at APG May 17.

ical warfare materiel; managing and closing the four remaining destruction facilities in Alabama, Arkansas, Utah and Oregon; safely storing the

remaining chemical weapons stockpiles in Kentucky and Colorado; supporting the communities surrounding the Kentucky and Colorado stockpiles

with emergency management planning and carrying out the Chemical Weapons Convention treaty mission as the Army's executive agent.

# Have plan in place this hurricane season

Continued from Page 1

hours of Aug. 27, 2011.

APG and the surrounding area were slammed with high winds and heavy rains from Hurricane Irene, the first tropical event to affect the area since Tropical Storm Isabel in 2003.

Eighty sections of county-maintained roads in Harford County were closed and utility companies were reporting more than 50,000 customers in the county without power the day after the storm.

Employees of the installation's Directorate of Public Works, Picerne and other personnel worked continuously to quickly restore power on post and clear down trees.

But despite the garrison's successful use of its emergency notification systems and quick return to normal operations, post officials urge the community to be always prepared for the next storm.

In case of emergencies, community

members should call the APG Weather Line at 410-278-SNOW (7669) or visit APG's Facebook page for updates.

According to Ready.gov, to prepare for natural and man-made disasters, Families should do the following:

## Be Informed

Before a disaster, learn how you will know there is an impending hazardous event. Familiarize yourself with the signs of events that come without warning and know your area's advance alerts and warnings and how you will receive them. Knowing about the local emergency plans for shelter and evacuation and local emergency contacts will help you develop your household plan and will also aid you during a crisis.

## Make a Plan

Your family may not be together when a disaster strikes so it is important

to plan in advance: how you will get to a safe place; how you will contact one another; how you will get back together; and what you will do in different situations. You should also inquire about emergency plans at places where your family spends time: work, daycare and school, faith organizations, sports events and commuting. If no plans exist, consider volunteering to help create one.

## Build a Kit

A disaster supplies kit is simply a collection of basic items your household may need in the event of an emergency.

Try to assemble your kit well in advance of an emergency. You may have to evacuate at a moment's notice and take essentials with you.

In case you need to survive on your own after an emergency, you should have food, water and other supplies in sufficient quantity to last for at least 72

hours. Local officials and relief workers will be on the scene after a disaster but they cannot reach everyone immediately. Also, basic services like electricity, gas, water, sewage treatment and telephones may be cut off. Supply kits should contain items to help you manage during these outages.

A basic emergency supply kit should include:

- Water
- Food
- Battery-powered radio
- Flashlight and batteries
- First aid kit
- Whistle (to signal for help)
- Dust masks
- Moist towelettes
- Wrench or tools to turn off utilities
- Maps
- Cell phone with charger

For more information, visit [www.ready.gov/basic-disaster-supplies-kit](http://www.ready.gov/basic-disaster-supplies-kit).

# Energy is most critical resource

Continued from Page 1

renowned speaker in the field of personal energy management, challenged the Cohort to be “corporate athletes.” High performers, to include those in the senior executive service, generally work long hours, sustaining a high level of energy from one activity to the next. They need to be performing at their best throughout their day, which typically extends well beyond eight hours, he said. McAlpine proposed that these high performers have harnessed the secrets of energy management.

The session explored the four dimensions of energy: spiritual, mental, emotional and physical and how to better manage energy in each of the dimensions. As part of the Cohort program, participants will have an opportunity to spend 90 days in three of the four energy dimensions, exploring and implementing changes in each. Cohorts will identify their starting point, do readings, create rituals, record reflections and measure results.

McAlpine said the most critical resource we have as human beings is our energy, yet most of us fail to manage it effectively. For extraordinary results, to become the corporate athlete, he challenged the cohorts to aim for the “sweet spot” of human energy, what he identified as “full engagement.”

“Full engagement is the acquired ability to intentionally invest your full and best energy, right here, right now,” said McAlpine.

Full engagement requires participants to be spiritually aligned, mentally focused, emotionally connected and

physically energized.

“Barriers to full engagement,” McAlpine said, “include poor energy management and insufficient energy capacity.”

Good energy management translates to balanced energy expenditure with intermittent energy recovery. Growing energy capacity means stressing ourselves beyond our normal limits.

McAlpine also asked the group to think about where they have been focusing their energy and to question whether those activities are truly aligned with what we want or value in life.

“The biggest barriers to effective energy management are the often-faulty stories we tell ourselves and the mistaken belief that we can multitask,” said McAlpine.

The human system performs best when we are laser-focused.

“The focus of energy cannot be split, our system is binary, we are either focused or not focused,” he explained.

As to faulty storytelling, he asserted that when we act in ways that are contrary to our core values we tend to create stories that rationalize and reconcile our behavior. In doing this we take a few facts and fill in the missing details, creating stories that aren't necessarily true.

“Negative habits that persist in your life invariably come with a story.” Examples of faulty storytelling include: ‘I don't have time to work out,’ or ‘It's too hard to eat healthy.’”

He also spoke about listening for your “private voice, your master storyteller.” The private voice typical-

ly emerges when a person is in high demand and/or under high stress. It is what a person tells himself when he is up against a huge challenge; it is the voice that drives a person's resulting behavior.

He asked the cohort to listen to that voice.

“Is the voice you hear positive or negative? It is encouraging—bring it on—or is it defeatist—this always happens to me,” he said.

He said once aware of the voice, if it isn't what you want it to be, take ownership of the voice and change the words. McAlpine suggested journaling as the most effective option to expose and change that private voice. Another option is creative visualization.

During the session, he also implored cohorts to rewrite their story—their mindset, aligning their energy with their ultimate mission.

Your ultimate mission “reveals your ultimate purpose in life and provides directional coordinates for your energy investments,” said McAlpine.

He further urged the cohorts to take action, to consciously acquire routines, or rituals, which serve your mission. Rituals can become habits. Rituals push us to act, whereas habits pull us to act.

McAlpine's presentation reminded the cohorts about the importance of identifying the larger purpose of their life and how a well-balanced energy management program will maximize their ability to achieve their ultimate mission and become corporate athletes.

# Live fire

Continued from Page 1

“He loved that he was able to touch and sit in some of the vehicles,” Hyland said.

The APG Fire Department also provided a crash rescue demonstration, and a parade of vehicles showcased the M1A2 Abrams Main Battle Tank, a Bradley Fighting Vehicle, Stryker Mobile Gun System and MRAP All-Terrain Vehicle.

## A hero honored

Ferrell and CECOM Command Sgt. Maj. Kennis Dent presented Joe Ondek with a “Heroes on the Home Front” award.

Ondek has served the federal government in military, civilian and contractor positions for more than 53 years.

After serving in the Marine Corps during Vietnam, he settled at APG in 1965 and worked for the installation's environmental program, including serving as chief of ATC's Environmental Division from 1989 to 1999.

He retired from federal civilian service in 1999, and returned as an ATC contractor in the Military Environmental Test Demonstration Center and Environmental Division.

“His institutional knowledge of APG and the United States military is vast,” said narrator Wayne Strine. “His dedication to APG and the environment is both admirable and remarkable.”

Ondek said “the greatest people I have ever known work here at Aberdeen Proving Ground.

“I work with heroes every day. But my hero is my wife,” he said, offering her a salute.

Ondek and Purple Heart recipient Kelly Keck, an ATEC employee, fired the first rounds during the event.

## AST 101 grows partners, improves service quality for T&E

ATEC news release

Army Evaluation Center leaders conducted a new ATEC System Team 101 course that concluded at Aberdeen Proving Ground May 11 and graduated personnel from two APG commands.

As with any technical workforce, it's critical to stay current with regulatory, technical and conceptual discussions pervasive in the test and evaluation field.

With that in mind, U.S. Army Test and Evaluation Command developed and conducted the pilot AST 101 in May 2011, and allowing students a chance to provide input on the course. Following ATEC mergers and survey results from the pilot, ATEC-AEC hosted a second course this spring with 21 students from ATEC-AEC and the U.S. Army Communications-Electronics Command filling the seats.

"The AST course provides the foundation necessary to become an effective AST chair or member," said Dr. Thomas Cao, Director's Initiatives Group director for ATEC-AEC.

**AST 101 strives to grow partnership competencies and improve the overall quality of the services offered here.**

It focuses on the roles and responsibilities of the AST, the technical and project management skills necessary to be an evaluator or analyst, references and resources for job assistance, and the opportunity to complete practical exercises relevant to the AST function, he added.

As a capstone, students participated in a panel discussion with Brian Simmons, ATEC executive technical director; David Jimenez, AEC executive director; and Bill Adams, director of the ATEC-Operational Test Command Methodology and Analysis Directorate, to allow them interaction with senior leaders and get their perspectives on multiple topics of interest, such as the budget and Army downsizing and their impact on T&E and also integrated testing.

AST 101 strives to grow partnership competencies and improve the overall quality of the services offered here, said Jimenez, who noted that the Base Realignment and Closure transformed APG significantly, bringing research and development and testing and evaluation together on one campus.

The course offering was briefed to senior leaders at CECOM and the Research, Development and Engineering Command to help grow these partnerships.

Working collaboratively with other commands improves technical qualifications of all T&E professionals through the sharing of resources and understanding each other's requirements, offered Cao. "We wanted students to network and provide them an opportunity to have a better appreciation of how ATEC conducts [test and evaluation]," he said.

"Communities that once interacted at a distance are now encountering themselves daily, understanding each other's mission lanes and interdependencies," said Jimenez. "The benefit to the Army is the creation of a workforce that is on the path to becoming more agile, connected and supportive of Team Army."

Connecting agency personnel helps bridge a knowledge gap that exists overall on how the Army develops material solutions and the roles of the test and evaluation community.

"It's important that as we change our workforce they keep their competencies current on how test and evaluation are performed," Jimenez said.

AEC course graduates are: Carlos Lewis, Charles Bedard, Tan Luu, and Frank Holt from Intelligence Evaluation Directorate; Araminta Salva-Mercado; Derrick Cook; Susan Rymarz from Sustainment Evaluation Directorate; Tyler Lloyd, Doug Savick, Denise Merchant, and Christian Hill from Integrated Logistics Support Directorate; Brian Hampton and Carol Vesier from Reliability and Maintainability Directorate; Kim Bonville, Shaniqua Davis, and Rob Barnhill from Command and Control Evaluation Directorate; Aaron Lilley, Maneuver Ground Evaluation Directorate; George Knotts, Survivability Evaluation Directorate; and Brian Whitbeck, Maneuver Air Evaluation Directorate.

CECOM graduates were Keith Boegner and Robert Chamness.

AST 101 will be offered at least once a month through the end of the fiscal year. Upcoming course dates are June 18-22; July 16-20; Aug. 20-24; and a doubleheader Sept. 17-21 and 24-28. The ATEC G1 Training Office will announce course offerings for employees to register.



Photo by Sean Kief

Maj. Gen. Nick Justice (left) was the guest speaker during the graduation ceremony for eight of the Senior Service College Fellowship fellows (right) at the Mission Training Center, C4ISR Campus, May 16.

## SSCF holds commencement for third graduating class

By **PARKER BENNETT**  
SSCF

Eight graduating fellows received their Senior Service College Fellowship diplomas during a May 16 ceremony at the Mission Training Center, C4ISR Campus.

The ceremony celebrated the completion of the 10-month program of rigorous study focused on leadership and acquisition.

The event was attended by more than 70 friends, Family, and distinguished guests including Jim McCullough, dean of the South Region, DAU and four locally serving members of the Senior Executive Service.

Participating in the ceremony were guest speaker Maj. Gen. Nick Justice, assistant military deputy, Office of the Assistant Secretary of the Army (Acquisition, Logistics and Technology); Bob Daugherty, dean of Capital and Northeast Region, DAU; and Sean Coleman, regional director at Washington D.C., Webster University.

In his welcoming remarks, Daugherty explained "the program permits participants to focus on developing their leadership skills so that they can return back to the APG community as even greater assets."

Diploma recipients include Debra Abbruzzese, Ira "Jim" Hines II, Patrick Layden, Robert Lyons, Thomas Mokolinis, Sr., Stanley Niemiec, Udra Robinson and Thomas Stadterman.

In addition to the SSCF requirements, Hines also completed an additional five core courses to earn a master of arts degree in management and leadership from Webster University.

As part of his keynote address, Justice discussed the importance of civilian education. He remarked "education and

learning programs create a point where theory and behavior come together to create change so that our workforce can be the best from beginning to end."

Additionally, Justice congratulated the fellows on their hard work and willingness to step out of their comfort zones by participating in the program.

During the program the fellows completed the Program Managers Course (PMT 401), Leading in the Acquisition Environment (ACQ 450), Integrated Acquisition for Decision Makers (ACQ 451), Forging Stakeholder Relationships (ACQ 452) and a National Security Module taught by Dr. Jim Helis, chairman of the Department of National Security and Strategy, U.S. Army War College (USAWC). They also conducted numerous industry and governmental organization visits, heard from multiple senior leaders that included innumerable general/flag officers and Senior Executive Service (SES) members; and went on a wide variety of Warfighter-focused visits including the National Training Center, Joint Readiness Training Center, U.S. Central Command, and U.S. Special Operations Command.

During a trip to Germany, Belgium and France, the fellows conducted visits to strategic military command centers that included the geographical combatant commands, North Atlantic Treaty Organization, and the Supreme Headquarters Allied Powers Europe, where they heard from multiple senior leaders. To provide reflection on the leadership lessons of the past, the Europe trip also included battlefield staff rides of the Battle of the Bulge in Bastogne, Belgium, and the Allied Invasion in Normandy, France. Staff rides were led by USAWCs Senior Historian Profes-

sor Len Fullenkamp.

In addition to these activities, the fellows also conducted original research and completed a strategy research project, looking at various contemporary and pertinent issues within the acquisition community.

This year's fellows addressed such topics as the crisis in contracting, risk based approaches to test and evaluation, the Better Buying Power initiative, risk management tools, life cycle sustainment of commercial off the shelf support equipment, knowledge transfer loss in a Base Realignment and Closure Environment, contracting specialists, and the Weapon Systems Acquisition Reform Act of 2009. Copies of the research projects will be available in June at [www.dau.mil/sscf](http://www.dau.mil/sscf).

Graduating fellow Debbie Abbruzzese remarked that as a result of the SSCF program activities and off site excursions, "I now have a broader perspective on leadership and how the Army runs, which will be invaluable to me in my future position."

With the completion of the program, the fellows are returning to more challenging positions in their sponsoring organizations or have accepted positions of greater responsibility in new units.

The fourth SSCF class at APG will begin July 23 and includes nine fellows from the Research, Development and Engineering Command, PEO-Integration, U.S. Army Edgewood Chemical and Biological Center, U.S. Army Aberdeen Test Center, U.S. Army Communications-Electronics Command Software Engineering Center, PEO-Ammunition, and U.S. Army Evaluation Center.

For more information about the program, visit [www.dau.mil/sscf](http://www.dau.mil/sscf)

## New employees gain understanding of center, product realization

By **KRISTEN KUSHIYAMA**  
CERDEC Public Affairs

U.S. Army employees attended an orientation at Aberdeen Proving Ground to introduce them to the mission of Research, Development and Engineering Command's CERDEC PRD May 16.

CERDEC PRD is the communications-electronics center's Product Realization Engineering & Quality Directorate. More than 40 new CERDEC PRD employees from Fort Belvoir, Va., and APG who were hired from academia, other government organizations and industry gathered at the first CERDEC PRD new employee orientation.

Many of the employees are assigned to other Army organizations to support research, development, acquisition and sustainment across the lifecycle of technology in the command, control, communications, computers, intelligence, surveillance and reconnaissance, or C4ISR, community since CERDEC PRD has more than 40 customers and supports more than 100 systems worldwide, said Ron Michel, CERDEC PRD director.

Leadership provided an overview of the work done throughout the directorate that ensures Soldiers receive properly functioning C4ISR equipment while making sure the costs of doing so are as reduced as possible.

"We want to influence technologies early in the process to help develop a high-quality product at a lower cost," said Michel.

A portion of CERDEC PRD focuses on specialty engineering functions such as technical project leadership and acquisition; production/manufacturing engineering; maintenance concept engineering; and quality assurance, continuous improvement, and test and evaluation, which can all contribute to quality increases and cost reductions.

Additionally, CERDEC PRD has focused on growing and increasing its specialty engineering functions since these occupations have declined in the U.S. and have moved overseas.

"We see ourselves as the industrial base community advocate at APG working to ensure the U.S. industrial base doesn't go away," said Michel.

As the new CERDEC PRD employees continue in their respective career paths, they should take the concepts from across the directorate and leverage the abilities of their CERDEC PRD co-workers to do what is best for both the Soldier and the tax payer, said Michel.

It's important for CERDEC PRD employees to balance the needs of the Soldier with the duality of also being a tax payer, said Michel.

## Never too late to live healthy

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think tank—Adams-Ender advises the president on foreign policy and international affairs.

And she works at staying healthy!

Adams-Ender, an avid swimmer, said "you have to keep it moving. Exercising regularly is key."

Having picked cotton in the scorching North Carolina fields as a sharecropper's daughter, Adams-Enders has experienced her share of obstacles, and opportunities to excel. She said it's never too late to cut risky behaviors and improve your physical, mental and emotional health.

In addition to exercising regularly, she encourages people to educate them-

selves on nutrition and become more selective about their food choices.

"One of the major problems in our nation today, and the rest of world, is obesity. Our food choices are killing us; we've got to do something to get ourselves under control."

Adams-Ender said in addition to the excessive amounts of food we consume, it is the types of food that causes harm to the body. She has recently transitioned to a largely organic diet and promotes non-engineered fare.

"We feed cattle antibiotics and hormones to make them grow fat," she said. "Well, that's great for sales,

but horrible for what it does to the body, and especially for young people, because all of those additives are going into our bodies."

She said every person has the power to improve their own health, and urged people to learn as much as they can about their own health. And then make a change!

"Keep it moving!"

For more information on, or assistance with, healthy lifestyle choices, visit the installation's Community Health Promotion Council website by visiting [www.apg.army.mil](http://www.apg.army.mil) and clicking on Health Promotion.

# Q&A RDECOM senior NCO discusses command's support in Afghanistan

By **DAN LAFONTAINE**  
RDECOM Public Affairs

Command Sgt. Maj. Lebert Beharie, the U.S. Army Research, Development and Engineering Command's senior non-commissioned officer, returned May 13 from a nine-day mission to Afghanistan.

In an interview with RDECOM public affairs, Beharie discussed how the command is providing the technological edge to Soldiers deployed in support of Operation Enduring Freedom.

**What were your objectives during your first visit to Operation Enduring Freedom as RDECOM's command sergeant major?**

"It was two-fold. First, we have folks who are doing great work in harm's way, supporting the Warfighter. I wanted to pay them a visit, let them know who I am, and talk with them; get their concerns and issues they are dealing with; hear about some of the opportunities they had to support our Warfighter; technologies they were able to help field.

Second, [I wanted] to meet the senior enlisted Soldiers in the battlespace and hear from them how [RDECOM is] doing providing them the resources and technology to fight on the battlefield. That part is just as important. If they don't know that we're there or don't know what value we add, we quickly become low-hanging fruit. As [the Army] ramps down in theater, we become the first to go home. That would be a tragedy to leave the Soldiers without the technology or the connection to the technology that we are able to give from our labs."

**As you talked with the Soldiers and civilians supporting OEF, what support do they need from RDECOM?**

"When I was a Warfighter, I did not know what RDECOM provided me. Throughout the [Army Force Generation] process and the re-set process, there was a lot of technology that came my way that we, as a unit, had to integrate into our organization.

It's the same thing with the Soldiers currently in theater. Some did not know RDECOM existed. They received technology and support from RDECOM, but we need to do better with our strategic communications and getting the word out. Part of my reasoning for going to theater is to get the word out [what] we, as RDECOM, provide and how we can better assist our Soldiers."

**How can RDECOM's scientists and engineers in the United States do better to provide timely solutions to address these needs?**

"I think the lines of communication, the resources that we have, and the reachback capability that we have to our labs, scientists and engineers — I think that is what we need to do better.

Our scientists and engineers are doing a fabulous job supporting our Warfighters. They come to work every day energized. For us to have the reachback from [Soldiers and commanders in] theater, our [Logistics Assistance Representative and Field Service Representatives] help by telling us where the gaps are. [We] fill those gaps in our labs with an emerging technology or [with] equipment we already built to increase capabilities on the battlefield. I think our scientists and engineers are doing a great job."

**Where in Afghanistan did you go?**

"I had the opportunity to tour the entire breadth of Afghanistan where major commands are. Those are the hubs. If you get the commands and hubs to understand the type of support that we provide on a daily basis, that will proliferate across the subordinate commands.

We met with [Regional Command]-South and talked with them about our



U.S. Army photo

**Pfc. Samuel Corsolini, 2nd Battalion, 25th Aviation Regiment, 25th Combat Aviation Brigade, pulls security with other Pathfinders as a UH-60 Black Hawk helicopter takes off after unloading his team and members of 2nd Afghan National Civil Order Patrol Special Weapons And Tactics Team in Kandahar province, Afghanistan, March 16. The U.S. Army Research, Development and Engineering Command empowers, unburdens and protects Soldiers for the decisive edge on the battlefield.**



**“When I was a Warfighter, I did not know what RDECOM provided me. Throughout the [Army Force Generation] process and the re-set process, there was a lot of technology that came my way that we, as a unit, had to integrate into our organization. It's the same thing with the Soldiers currently in theater. Part of my reasoning for going to theater is to get the word out.**

**Command Sgt. Maj. Lebert Beharie, the U.S. Army Research, Development and Engineering Command's senior noncommissioned officer, returned May 13 from a nine-day mission to Afghanistan.**

Photo by Conrad Johnson

lines of effort and support. [We made] sure we are linked [for] them reaching back to us. I have several ways to get to us. The [Rapid Equipping Force] 10-liner will come back to us. The [Operational Needs Statement] [Joint Urgent Operational Needs Statement] process will come back to us. Our [Science and Technology Assistance Teams] in theater will bring stuff back to us to action and provide material solutions to Warfighters."

**How does the RDECOM Field Assistance in Science and Technology-Center accomplish its mission of providing engineering solutions to Soldiers directly in theater?**

"What a tremendous capability to our Soldiers. This is a big win for the Army. This is a battlefield enabler having the RFAST-C that forward in theater. In six months, they have done over 177 projects for theater. That is throughout the [Combined Joint Operation Area], battlespace. While I was there, they were working on projects for the [Afghanistan Working Group] for the Afghan Army. They are working on engineering projects for the Air Force's AC-130.

You name it, they are working on it. You have a Soldier who walks up to the RFAST-C and says, 'Hey, I have a problem.' I met that Soldier, a specialist. He showed me how he came up with the design, his drawings, what he envisioned, and the problem he had. He walked up to one of our engineers and said, 'Hey, here is a problem that I have.

Here is what I think a solution could be. Can you do something about this?'"

Our scientist said, 'Absolutely we can do something about it.' They put the engineering mental muscle behind it and came up with a great product to fill that Soldier's problem. This proliferates on the battlefield. It was a game-changer. This was an adjustment that had to be made because of new technology that we sent to theater to protect our Soldiers. We had to adjust how we placed certain items on vehicles.

I cannot speak enough about how great of a resource [the RFAST-C] it is for theater. I spoke to RC-South, RC-East, RC-Capital. I've talked to every command, all the way through [International Security Assistance Force] Command, and they all are singing the praises of what we are doing in theater."

**How will RDECOM leverage the experience gained from establishing RFAST-C in OEF to set up a similar capability for future Army or joint operations?**

"The Army is looking at what it calls 'RFAST-C in a Box.' It probably will not have all the capabilities that our current RFAST-C has, but it will have a lot of those capabilities. There are some capabilities that the Army had previously within the [Army Field Support Brigades] that are provided in theater; however, not in the quality and quantity that is provided through the RFAST-C. With our emerging technologies, I can see some time in the future that we are going to

have an 'RFAST-C in a Box' traveling around the battlespace. I think this was the birth of a great idea that will help the Warfighter for a long time to come."

**How can RDECOM continue to share its initiatives and contributions with the Army?**

"[RDECOM Director] Mr. [Dale] Ormond sat down with the Board of Directors and came up with six lines of effort. One of the lines of effort is strategic communications. I think I can impact that in a big way through the senior enlisted leaders engagement throughout the Army.

Seeing the senior enlisted leaders in theater is great. However, I think that communication needs to start back here at home. One of the initiatives that I have started is to go out and see the divisions and the major unit commands at home before they go to theater. Let them know what we are and what we do. The Army has an educational process for deployers. Give them ways that they can enhance the performance of their Soldiers and equipment on the battlefield. One of those resources is RDECOM.

I think that we need to make ourselves part of that educational process. Let RDECOM be one of those stops that those commands will make prior to going to theater. There is no doubt in my mind that it will be an enormous game-changing opportunity for those commands. I will take the message out and let them know what we are, who we are, and what we can do for them as they fight our nation's wars."

## Smaller, lighter batteries increase Soldier mobility

Continued from Page 1

Research, Development and Engineering Center to develop a 0.8 inch-thick battery that can be placed into a Soldier's vest.

"We're putting those same battery chemistries into a wearable battery configuration known as the Polymer Conformal Battery," Hurley said. "The idea is to keep it close to the body so there are not a lot of projections from the body. When the Soldier is in a prone position or tight spaces, you don't have

huge batteries sticking out.

"The next step is to get it into an integrated, wearable vest system so that Soldiers can wear this battery to have it run to all of their equipment."

**Soldier Wearable Integrated Power System**

The Soldier Wearable Integrated Power System, known as SWIPES, supplies a main battery from a central location to power all end-items.

SWIPES places pouch-mounted chargers and power cables for batteries, GPS units, shot-detection systems and handheld communications into the vest. It allows for extended mission times without the need to swap batteries or power sources by keeping devices charged at all times.

SWIPES won one of the top 10 U.S. Army Greatest Inventions in 2010.

"All of the cabling is routed through the different pockets for radios and

equipment. The idea is to have this battery power all of the equipment," Hurley said.

The Army Rapid Equipping Force and Project Manager Soldier Warrior have started field testing several hundred SWIPES units.

"The major benefit is the weight savings. For a typical 72-hour mission, a Soldier will save up to 12 pounds of batteries they don't have to carry," Hurley said.