



APG NEWS

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

www.TeamAPG.com

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Recreational drone use prohibited on APG

By **STACY SMITH**
APG News

Many associate the word “drone” with military campaigns conducted overseas, but drone usage in U.S. air space is on the rise. The Federal Aviation Administration, or FAA, estimates as many as 7,500 small commercial unmanned aerial systems, or UAS, may be in use by 2018.

A drone, or UAS, is an unmanned aircraft that can be piloted remotely. Drones vary in size and weight and can be used for recreation, or commercial purposes.

APG strictly prohibits non-military drone aircraft usage on post and within a five mile radius of Phillips Army Airfield, also known as PAAF. Drone usage can adversely impact the Army mission by violating installation security or becoming a safety hazard.

Recreational drones look like sophisticated helicopters with four or more propellers and are often equipped with small cameras.

Martin V. Carroll, range operations and airspace manager at the U.S. Army Test and Evaluation

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Maj. Gen. Daniel Karbler, commander of the U.S. Army Test and Evaluation Command, or ATEC, left, and his wife Leah, right, applaud their daughter, Lauren Karbler, center, who received an Installation Management Command Northeast Region certificate of achievement for rescuing a youth in distress while serving as a lifeguard last summer during the Installation Town Hall at the APG North (Aberdeen) post theatre Feb. 17.

Town Hall welcomes feedback

Installation leaders announce changes, provide updates and address concerns

Story and photos by **STACY SMITH**
APG News

APG Soldiers, family members and workforce members received updates from senior leaders and garrison directors during the quarterly installation town hall meeting at the APG North (Aberdeen) post theatre Feb. 17.

The second town hall of the fiscal

year announced changes to installation entry, street names and building numbers, addressed concerns about Zika virus, announced upcoming MWR events and a new DOD appraisal system, and opened the floor for comments from attendees.

Before briefings began, Garrison Commander Col. James E. Davis reiterated the purpose of town hall meetings is to

improve installation conditions by developing a common understanding and vision for the APG community.

“We need your support; we need your ideas. It’s a partnership,” Davis said.

Automated Installation Entry
Directorate of Emergency Services, or

See UPCOMING, page 17

APG Soldiers salute hospitalized veterans

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

Warriors of the past met those of the present at the Perry Point VA Medical Center Feb. 19, and the result was a renewed sense of camaraderie – as well as an exciting game of Bingo.

APG Garrison Headquarters and Headquarters Company Commander Capt. Robert “Danny” Allen and 1st Sgt. Jermaine Allen, led about 30 APG Soldiers to the event held in the hospital gym. While APG maintains an established relationship with the hospital and its veterans, the event was timed in conjunction with the annual National Salute to Veteran Patients, which is

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Capt. Robert “Danny” Allen, commander of HHC Garrison, thanks a hospitalized veteran for his service after a Bingo game in the Perry Point VA Medical Center gym during a visit by APG Soldiers in conjunction with the National Salute to Veteran Patients.



Local Daisies say ‘thank you’ to APG Soldiers



Story and photos by **KELLY WHITE**
CERDEC

It’s not every day that an Army Soldier and a Girl Scout Troop cross paths, but the two did just that to celebrate patriotism at Fountain Green Elementary School in Bel Air, Feb. 17.

The meeting wasn’t by chance. A local Girl Scout troop, Daisy Troop 834, began working on their “Gerri Petal” this month, which means “Respecting Authority,” and wanted to spread the love to Aberdeen Proving Ground Soldiers in honor of Valentine’s Day.

“We wanted to make valentines for our Soldiers to let them know that we respect and appreciate their sac-

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Sgt. 1st Class Clifford Martin of CERDEC receives a special ‘thank you’ from Daisy Troop 834 at Fountain Green Elementary School.

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STREET TALK

Leap day is Monday, Feb. 29.

How will you use your extra day this year? Does leap day hold any significance to you?

It is an extra day of living, so that is good. My nephew's best friend was born on leap day, so he has a birthday every four years. I think that is pretty cool, I will wish him a happy birthday.



Jody Owens
ASAP

I think it is just a cool thing to have an extra day, but it doesn't hold much significance to me. When you get older days go by pretty fast.



John Mark Edwards
Chapel

I am going to work on leap day, so it will be a normal day. I think the best thing about leap year is that it is an Olympic year. I am already getting excited about the Summer Olympics.



Sharon Volz
Kirk U.S. Army Health Clinic

I use every day to do the best I can, and to treat others the way I want to be treated. Since leap years only come around every four years, I am thankful that I am here for another one. All I can say is amen.



Cathy Day
Contractor

It is another day to get things done. I wish I was born on a leap day, because that would mean I would only have a birthday every four years. That would really make me happy at this point in my life.



Claudia Holman
APGFCU



Army Wellness Center chief Chris Sorrells, left, demonstrates proper sit and reach alignment for Maj. Kari Haravitch from the 2nd of the 80th Military Police Battalion during a physical assessment at the APG North (Aberdeen) Kirk U.S. Army Health Clinic Feb. 19.

AWC conducts Army Reserve physical assessment tests

Story and photo by STACY SMITH
APG News

Fifteen Army Reserve Soldiers from the 2-80th Military Police Battalion based in Owings Mills, Maryland gathered at the APG North (Aberdeen) Army Wellness Center, or AWC, at Kirk U.S. Army Health Clinic, KUSAHC, to complete a physical assessment Feb. 19.

The Soldiers, who fasted at least five hours prior to the assessment, had their metabolic rates and body compositions measured and completed a series of physical fitness tests.

KUSAHC medic Pfc. Sydni Kloczkowski, said the metabolic test determines an individual's caloric needs with regard to gaining, maintaining or losing weight. The body composition, or "bod pod," measures body fat percentage, and the fitness test, which included a treadmill walk, determines the heart rate needed to burn the optimum amount of calories.

The Soldiers also squeezed hand grips, pulled weights and stretched out with a sit-and-reach box to gauge strength, flexibility, cardiovascular health and endurance.

"A lot of units do the assessment; it's really beneficial to see overall how your unit is doing," Kloczkowski said.

Unit commander Maj. Kari Haravitch said she became interested in the AWC program after giving birth to her second child. Her husband, Maj. Lucas Haravitch, who works on post, suggested she contact the AWC to reach her pre-pregnancy fitness level. She said after taking the assessment, she thought it would be a good way to help her Soldiers with their fitness goals.

"We're always trying to figure out how to do physical fitness in the Reserves," Haravitch said.

AWC chief Chris Sorrells said the assessment helps to create a ready and resilient Army and APG workforce.

"Our goal is preventive care," Sorrells said. "This gives [people] some data to work with; understanding what level they're actually functioning at, and how to get results as efficiently as possible."

During a group information session after the assessments, the Soldiers received their test results and suggestions about how to improve their overall health.

Staff Sgt. Quaneisha Wilson said she voluntarily travelled the three hour journey from her detachment unit at Fort Totten in Queens, New York to participate in the assessment. Wilson is training to run a half marathon, and said she hopes the group session will give her the support she needs to meet her fitness goals.

"The whole process in itself was kind of exciting; I've never seen a bod pod before," she said. "It was interesting to see it and find out what it does."

Although she said she's eliminated soda and high fructose corn syrup from her diet, she still has a tendency to reward herself with unhealthy foods.

"That's kind of how I'm trained: 'Oh it's a birthday, it's a retirement? Let's have cake,'" Wilson said. "So I want to retrain myself. Yes, I made an accomplishment and I can go out to dinner, but I don't need to have to have the lava cake."

Wilson added the AWC introduced her to several smartphone apps she can use to count calories and track her fitness.

"I'm going to download some of them, because I know the more tools you have to help you, the more likely you are to stick with it," she said.

Sgt. 1st Class Jeremy Rondone, an APG police officer with the K-9 unit, also completed the assessment and said he was surprised to learn his percentage of body fat had increased since his last

test. He said he plans to initiate a friendly weight loss competition with a fellow Reservist.

"It was eye-opening," Rondone said. "I'm in decent shape, but there's room for improvement."

Haravitch said she hopes to have her unit follow up with the AWC within a year to retest and see if they met their fitness goals.

The APG Army Wellness Center is located on the second floor of KUSAHC at 2501 Oakington Street on APG North (Aberdeen). For more information, call 410-306-1024.

I'm going to download some of [the smartphone apps to count calories] because I know the more tools you have to help you, the more likely you are to stick with it.

Staff Sgt. Quaneisha Wilson
2-80th Military Police Battalion detachment unit

See Something

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

Provided by the INTEL DIV/DPTMS

Say Something

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- Unusual vehicles operating in or around APG.
- Unusual phone calls, messages, or e-mails.
- Unusual contacts on or off post.
- Unusual aerial activity near or around installation.
- Any possible compromise of sensitive information.



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APG NEWS

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Garrison deputy has high hopes



By **YVONNE JOHNSON**
APG News

Frank Lands became the deputy to the APG Garrison commander in October 2015. Lands is a former Soldier who used the GI Bill to go to college after he left the service and then obtained his first government position as a GS-5 and worked his way up the ranks. Lands credits his ability to take advantage of opportunities for his rise in the civilian ranks.

“At every level, you’re constantly challenged, but you also have the opportunity to do so much,” he said.

He added that the opportunity to work in various garrison headquarters provided valuable learning experiences.

Lands previously served with the U.S. Army Installation Command Southeast and Atlantic regions; U.S. Army Garrison Fort Rucker, Alabama; the Office of the Assistant Secretary for Installations, Energy and Environment; U.S. Army Environmental Command, and with U.S. Army Corps of Engineers. He deployed twice to Iraq in support of the U.S. State Department and U.S. Agency for International Development.

This is Lands’ second assignment at APG. He said he worked at APG South (Edgewood) for a year in 2005 and he looked forward to returning to the area.

“The nice thing about this area is that it’s close to everything and you can do a

lot of things on weekends,” he said.

He acknowledged the big issues facing the Army include drawdown and restructuring as well as the U.S. Army Strategy for 2025.

“APG has changed a lot in the past 10 years,” he said. “In the future our mission will continue to change so we have to remain flexible,” He added that flexibility in support of the Army mission also is a Garrison priority.

“On the military side, while we’re looking at military reductions, it would be foolish to think that the Garrison will not be affected,” he said. “So, the question is, how do we restructure with the resources provided to best

support the warfighter. We know there will be changes, but we have the ability right now to realign assets to meet the requirements of the Army.”

“I expect to spend most of my time doing whatever we can to ensure Gar-

risson-supported requirements are being met,” Lands said. “An important part of that is looking at how well we work with community stakeholders to ensure they continue to support APG missions; how do we ensure community support for our Soldiers; and finding ways to support our tenants with better services.”

Garrison directors, managers and personnel in place are more than up to the task, Lands said.

“I work with folks who have been getting things done here for a long time,” he said. “One thing I’ve enjoyed is working with Garrison personnel, but what I enjoy most is that there’s no average day.”

With the 2017 centennial celebration on the horizon, Lands said he couldn’t have returned to APG at a better time.

“This will be an exciting time and an opportunity to showcase the proving ground, its tenants and their importance to the community.”

Lands went on to say that while he’s exceeded his educational and career goals, one important personal goal remains.

“When I leave here I’d like to be able to say I was the best APG Garrison deputy ever.”

“
When I leave here I’d like to be able to say I was the best APG Garrison deputy ever.

Frank W. Lands
APG Garrison deputy



Have a great idea for a story?

Know about any interesting upcoming events?

Wish you saw more of your organization in the paper?

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

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

APG to host ‘bully busting’ workshop



By **NANCY GOUCHER**
Exceptional Family Member Program

Intolerance of others’ differences can lead to bullying. Many can relate to this statement, however, bullying is not a harmless rite of childhood that everyone experiences.

To help APG youth develop the skills necessary to overcome the effects of bullying, Army Community Service has teamed up with the Military Family Life Counselor program to present a “Bully Busting” Workshop.

The ACS Exceptional Family Member Program will host the workshop Thursday, March 3 from 5:30 to 6:30 p.m. at the APG North (Aberdeen) Chapel Fellowship Hall, geared toward students in 1st through 8th grades.

When a child is bullied, it can directly impact their self-esteem and educational progress. The bullied child will often feel lonely, isolated and unsafe which may negatively impact a child’s education due to poor concentration, lack of interest in academic achievement, poor grades, high rate of absenteeism and a higher likelihood of dropping out. In addition, many students who are already struggling with their academic progress may find themselves to be prime targets for bullies.

A bullied child often feels powerless to stop the bullying without outside help. Victims of bullying can send the signal that they are insecure and passive in resisting bullying attacks. This is largely due to the fact that they have not developed their own coping skills to bounce back from such events.

During the Bully Busting workshop, students will be guided through important discussions and activities related to bullying and its potential effect on aca-

ACS Exceptional Family Member Program will host

“Bully Busting” Workshop

Thursday, March 3 from 5:30 to 6:30 p.m.
APG North (Aberdeen) Chapel Fellowship Hall
Geared toward students in 1st through 8th grades

Space is limited for the workshop
To register, contact EFMP Manager Nancy Goucher at 410-278-2420 or nancy.e.gocher.civ@mail.mil.

This free, interactive workshop is open to all children within the APG community, including the children of active-duty service members, retirees, DOD civilians and contractors. Parents must remain on site for the duration of the workshop.

demics and peer relationships.

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Space is limited for the workshop.

To register, contact EFMP Manager Nancy Goucher at 410-278-2420 or nancy.e.gocher.civ@mail.mil.

For additional resources related to bullying, visit ACS at Bldg. 2503 or check out the Maryland Department of Education website at www.maryland-publicschools.org.

Table set for biological detection technology

ECBC enters partnership with local company to develop novel food safety system

Edgewood Chemical Biological Center

The U.S. Army Edgewood Chemical Biological Center, known as ECBC, signed a patent license agreement and cooperative research and development agreement with Biodetech, LLC, for a technology with commercial food safety applications during a formal signing ceremony on APG South (Edgewood), Feb. 18.

ECBC Director Dr. Joseph Corriveau, and Biodetech CEO Dr. Robert Webb, officially entered into both agreements related to ECBC’s Agents of Biological Origin Identifier, or ABOid, system in front of a gathering of scientists, members of the Harford County business community, Soldiers and personnel from both organizations.

“This agreement will commence another successful partnership between ECBC and industry in providing products and solutions for the warfighter and the nation,” Corriveau said. “It’s a wonderful partnership with amazing possibilities.”

Biodetech, a biotechnology firm based in nearby Fallston, Maryland, now has partially exclusive license of ABOid patents to further develop the technology for the commercial food industry. Two U.S. patents for methods of detection and identification of cell type were issued to ECBC for ABOid in 2012 and 2013.

“We are excited to present the ABOid system to the food industry,” Webb said.

Quick and accurate identification of unknown substances is the key feature of

Agents of Biological Origin Identifier

An Army-developed system that uses algorithms to analyze data and rapidly identify microbes and pathogens in food samples, as well as potential acts of food terrorism.

“This agreement will commence another successful partnership between ECBC and industry in providing products and solutions for the warfighter and the nation. It’s a wonderful partnership with amazing possibilities.”

Dr. Joseph Corriveau
ECBC Director

ABOid. The software can identify substances in a matter of hours instead of days as all currently used food analysis systems operate.

“ABOid can rapidly identify a multitude of other pathogens in our food, as well as any act of food terrorism,” Corriveau said.

Scientists in ECBC’s Detection Spectrometry Branch developed the ABOid biological detection software system that uses bioinformatics algorithms that are capable of rapidly identifying microbes in food samples without knowing what the sample is. Utilizing data from a mass spectrometry system, users can run mass spectral data through the software to provide statistical validation of a sample’s identity.

“I was absolutely intrigued,” Webb said of his reaction when he learned of the technology and its potential applications to food safety. A retired Army colonel, Webb brings more than 20 years of food safety experience to the ABOid development project, having served in the Army Public Health Command’s Veterinary Services, which is responsible for securing the Army’s food supply.

“This can be applied to the entire food system.”

Also key is that ABOid uses the data from a sample, not the actual sample, eliminating any potential risk of transporting an unknown substance as well as



Photo by Steven Skurski, ECBC

U.S. Army Edgewood Chemical Biological Center Director Dr. Joseph Corriveau, and Biodetech, LLC CEO Dr. Robert Webb, mark the signing of patent license and cooperative research and development agreements with a handshake, signifying a partnership to develop a novel food safety system.

the cost of shipping samples to be examined. Data is collected from a mass spectrometer and sent via electronic file for processing by ABOid software.

“Given the rapidity and the comprehensive nature of this test, there’s nothing like this out there in the food industry,” Webb said.

A team of scientists at ECBC have been working on ABOid technology for a decade, Corriveau said, but several years ago, the U.S. Department of Agriculture came to ECBC and asked for help in monitoring and protecting the country’s food supply. The Army’s Public Health Command, now known as the Army Public Health Center, provided hundreds of food samples of a commonly served side item, mashed potatoes, to determine ABOid’s capabilities to detect chemicals or other toxins in food, from salmonella to ricin.

“ABOid was able to detect the toxins in the mashed potatoes with 100 percent

accuracy,” said Mary Wade, ECBC principal investigator.

Since testing, ABOid has been used successfully to analyze the food supply at Army public health facilities in Korea and Japan and with this agreement, Wade said, the technology could be used in the civilian sector to examine meats, dairy and other food products.

As an Army laboratory, ECBC has the authority to license intellectual property rights on behalf of the government. The purpose of a patent license agreement, or PLA, is to commercialize federally owned technology for the benefit of the nation. A PLA can be granted on patents already issued or filed by the government under an exclusive, partially exclusive or non-exclusive basis.

For applications beyond the food industry, the ABOid patents and software remain available for licensing from ECBC.

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

Vanpoolers needed at APG!



APG Commuter Center

There are several existing vanpools looking for riders as well as individuals looking to start vanpools for the following locations:

Commuters only need to be willing to travel to the designated areas to ride the vanpool. For more information, contact the APG Commuter Center POC, Syreeta Gross, at 410-278-5491 or syreeta.a.gross.ctr@mail.mil.

APG North (Aberdeen) to:	APG South (Edgewood) to:
♦ Baltimore, MD (Canton-area)	♦ - Baltimore, MD
♦ Baltimore County, MD (near I-70 and 695)	♦ - Delaware
♦ Elkton, MD	♦ - Philadelphia, PA
♦ Philidelphia, PA	

DAU fellows visit APG laboratories

By **DAVID MCNALLY**
Army Research Laboratory

Eight fellows from the Defense Acquisition University Senior Service College Fellowship Program met with U.S. Army Research Laboratory leaders at Aberdeen Proving Ground and toured facilities Feb. 4.

The participants are students in a 10-month program designed to develop effective civilian senior leaders for the DOD acquisition community.

“Most of the fellows are from Aberdeen Proving Ground,” said James R. Oman, Capital and Northeast Region fellowship director. “It gives them a sense of some of the organizations that are here on post. It also gives them an opportunity to meet with senior members of the research community.”

The group met for a working lunch with Human Research and Engineering Director Dr. Laurel Allender.

“She is in the senior executive service, so the fellows get an opportunity to interact with her and acquire insights, which will be of use to them when they go back into positions of greater responsibility upon graduation,” Oman said.

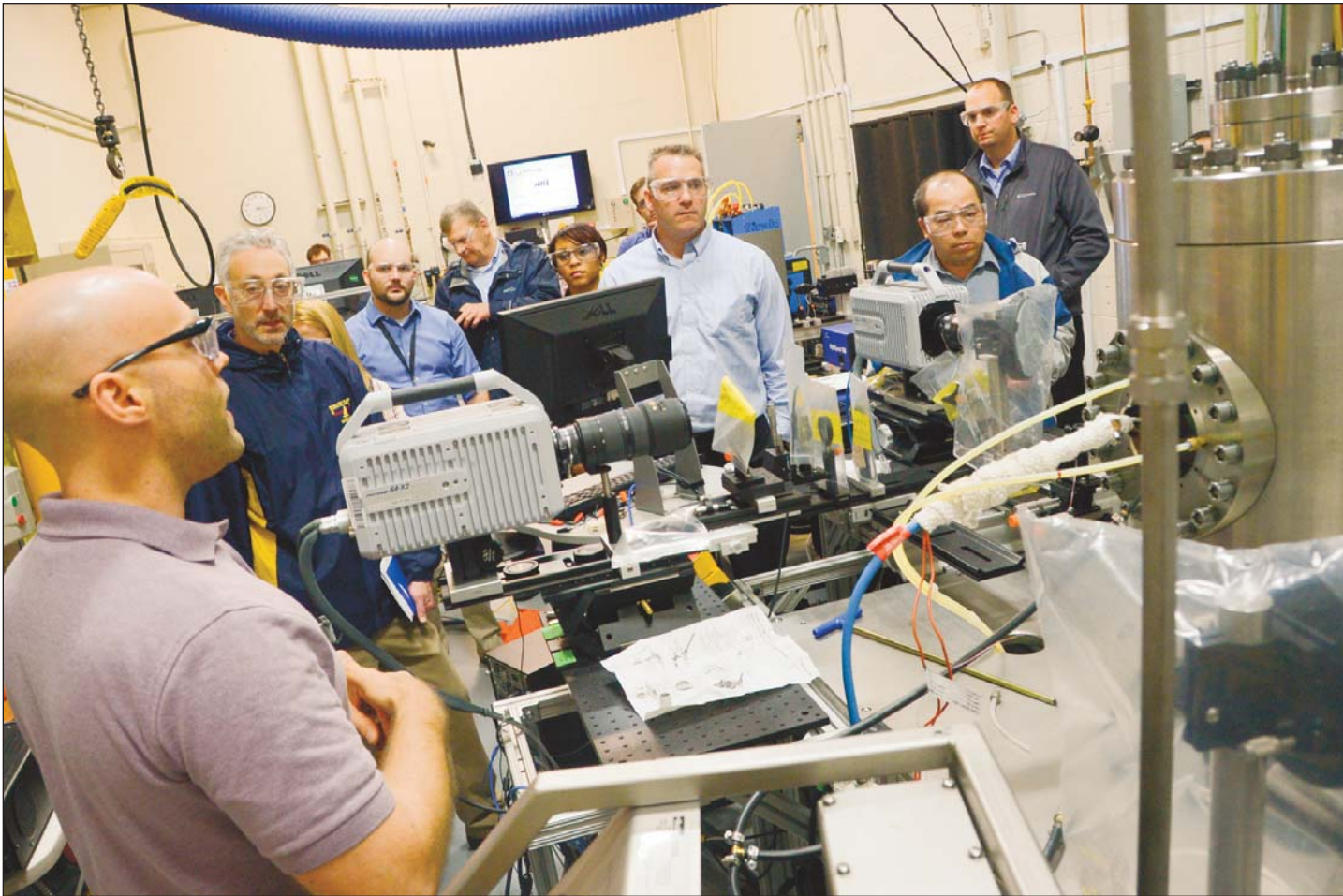
Allender said the DAU program is a valuable avenue for leadership development.

“Discussions ranged from learning to leadership to taking some time to laugh—each being important to individual growth,” she said. “The singular commitment of the fellows, with their diverse backgrounds, to continued service to the Army is inspiring.”

During the tour, the fellows received briefings from Army scientists on the overall mission of ARL, and the technical campaigns that comprise the laboratory’s core competencies.

They saw the Army’s innovations in additive and expeditionary manufacturing and talked with scientists about advanced polymer processing. At the Vehicle Research Laboratory, the fellows talked with researchers about adaptive airframe configurations and wind tunnel experiments. They also learned how researchers are exploring fuels and optimizing engine performance.

“This tour is always a highlight of the year for the fellows,” Oman said. “There are a great deal of interesting things to see at ARL. We also took them to the Edgewood Chemical Biological Center



Photos by Conrad Johnson, RDECOM

(Above) Dr. Matthew Kurman, left, a member of the Engines Research Team, explains the team’s mission to Defense Acquisition University fellows touring the Vehicle Research Laboratory at APG, Feb. 4. (Below) Christopher Kroninger, center, explains wind tunnel experiments to visiting Defense Acquisition University fellows during a tour of the U.S. Army Research Laboratory Feb. 4.



Photo by Courtney Gilbert, ATEC

ATEC HHC conducts first sergeant change of responsibility ceremony

Incoming 1st Sgt. Gerald Rouse Jr., left, accepts responsibility as first sergeant of the U.S. Army Test and Evaluation Command, Headquarters and Headquarters Company during a change of responsibility ceremony at ATEC Headquarters on APG North (Aberdeen) Feb. 16. Rouse took over the position formerly held by 1st Sgt. Joseph Conway.



APG NEWS

Visit us online at

www.TeamAPG.com/APGNews

MARK YOUR CALENDAR

MORE ONLINE

More events can be seen at www.TeamAPG.com

events&town halls

WEDNESDAY MARCH 23

ARMED SERVICES BLOOD PROGRAM BLOOD DRIVE

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

For more info, visit militaryblood.dod.mil.

WEDNESDAY MARCH 30

WOMEN'S HISTORY MONTH TRAINING PROGRAM

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

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

meetings&conferences

WEDNESDAY MARCH 9

WOMEN IN LEADERSHIP SESSION

The Aberdeen Test Center will host the 6th Women in Leadership Session, "Unlock Your Potential" starting 11:30 a.m. at Bldg. 5014 Boothby Hill Avenue on APG North (Aberdeen). Please be seated by 11:15 a.m.

For more information, or to reserve seats by March 2, contact Heather Steinhilber at 410-306-4003 or heather.m.steinhilber.civ@mail.mil.

ONGOING

BIBLE STUDY CLASS

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

health&resiliency

THURSDAY MARCH 3

NUTRITION INFO SESSION AND COOKING DEMO

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

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

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

TUESDAY MARCH 22

SLEEP AWARENESS & INFO SESSION

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

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

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

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

THURSDAY MARCH 24

FIRST AID TRAINING CLASS *REGISTRATION REQUIRED*

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

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

The class is open to C4ISR employees, contractors and service members. Registration is required and there is limited seating. Interested individuals must register by March 14.

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

THROUGH MAY

AMERICAN SIGN LANGUAGE CLASS

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

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

THROUGH MID-2016

ARMY WELLNESS CENTER RELOCATED

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

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

THROUGH MID-2016

KUSAHC OCCUPATIONAL HEALTH RELOCATED

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

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

ONGOING

WEAR BLUE: RUN TO REMEMBER HARFORD COUNTY/APG

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

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

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

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

Upcoming dates include:

- March 12
- April 9

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

ONGOING

2016 CPR & AED TRAINING CLASS SCHEDULE

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

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

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

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

TUESDAY APRIL 19

DENTAL CLINICS CLOSED

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

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

THURSDAY APRIL 21

DENTAL CLINICS CLOSED

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

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

ONGOING

VETERINARY TREATMENT FACILITY NEW HOURS

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

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

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

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

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

ONGOING

KUSAHC CLOSED FIRST WEDNESDAY OF EVERY MONTH

Kirk U.S. Army Health Clinic believes the key to being the premier health and readiness platform is a professionally-developed workforce, and reinvesting in employees is an investment to their service to APG.

As such, KUSAHC will close the first Wednesday of every month for training purposes until further notice.

For more information, visit <http://kusahc.narmc.amedd.army.mil/SitePages/Home.aspx> or www.facebook.com/KUSAHC.

family&children

FRIDAY APRIL 1

SOCIETY OF AMERICAN MILITARY ENGINEERS SUMMER CAMP APPLICATION DEADLINE

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

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

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

miscellaneous

THROUGH MARCH 23

2016-2017 SENIOR SERVICE COLLEGE FELLOWSHIP PROGRAM NOW ACCEPTING APPLICATIONS

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

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

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

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

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

MARCH 31

SOCIETY OF AMERICAN MILITARY ENGINEERS STEM SCHOLARSHIP APPLICATION DEADLINE

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

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

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

science related facility.

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

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

ONGOING

FREE INCOME TAX PREP

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

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

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

ONGOING

APG SOUTH 2016 WATER MAIN FLUSHING

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

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

- Jan. through March:** E1500-E1900 area, E6000 area.
- Feb. 18-20:** APG South housing area, E1220-E1300 area, and child care center.
- April through June:** E2000 area.
- May 12-14:** APG South housing area, Austin Road.
- July through Sept.:** E3000-E4000 area.
- Aug. 11-13:** APG South housing area, E1220-E1300 area, and child care center.
- Oct. through Dec.:** E5000 area.
- Nov. 10-12:** APG South housing area, Austin Road.

For more information, contact Robert Warlick at 410-436-2196 or robert.w.warlick2.civ@mail.mil.

ONGOING

2016 FIRE MARSHALL PROGRAM SCHEDULE

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

Upcoming class dates include:

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

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

ONGOING

2016 FIRE EXTINGUISHER TRAINING

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

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

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

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

ONGOING

APG ARMY EDUCATION CENTER REDUCED HOURS

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

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

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

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

APG snow crews dedicated to safety

By **STACY SMITH**
APG News

While many welcomed a snow day or two during Winter Storm Jonas in January, 15 APG Directorate of Public Works, or DPW, snow removal crew members worked around the clock to clear installation roadways, sidewalks and parking lots.

“I’ve got two men who were here 128 hours straight and never left, and both of them live in Pennsylvania,” said DPW Maintenance Planner Rodney Fletcher.

It’s this type of dedication from all members of the snow removal team – commonly referred to as “snowmen” – that earned each member Commander’s coins in recognition of their contributions to installation safety.

When snowman Robert Taylor was asked to nominate a single individual for an award, he said he couldn’t do it, and neither could his colleagues.

“We all worked together; it was a concerted effort,” Taylor said. “It’s hard to single out individuals for outstanding performance when it takes so many different little components.”

Snowmen Gregory Hipple and Joe Holland said these “little components” begin days or sometimes weeks in advance of impending bad weather. Preparation includes watching the weather reports and preparing their families for their absence; crew members are expected to report to work well before a storm hits to ensure they are on hand when duty calls.

“This is where we live until the storm

is over,” Holland said.

Snowmen spend their nights in the DPW bunk room, taking short breaks to eat and sleep before returning to their trucks and out to conditions that often include high winds, heavy, drifting snowfall, and poor visibility.

Team members agree a big misconception about snow removal is it’s easy work because crew members drive trucks, instead of shoveling. But even on well-known routes, bad weather can create unexpected and hazardous conditions.

“When you [are] in these 20-ton dump trucks, on a road where you can’t see the edges, but you know it runs off a cliff, you are so tense that you get physically exhausted,” Fletcher said.

In addition, equipment breakdowns mean other crew members must pick

up where they left off; and snow removal routes are constantly re-delegated. Fletcher said Winter Storm Jonas was the first snow event he can remember in which none of the equipment was damaged.

If the team runs out of places to plow the snow, as they did during 2010’s Snowmageddon and again during Jonas, then they

have to use a loader to pick up the snow and remove it.

The crews are also expected to finish any work contractors did not. Snowman Gregory Hipple said he single-handedly cleared five parking lots overnight to lessen the burden on his fellow crew members the next morning.

In addition to being great at what he does, snowman Joe Holland is also lucky



Courtesy photo

APG snow removal crews uses loaders like this and other equipment to clear roadways and parking lots during snow events. Directorate of Public Works crews and contractors used more than 100 pieces of equipment to move 525,000 tons of snow during Winter Storm Jonas.

to be alive. A few years ago he lost his left leg in a bulldozer accident.

“He won’t even get a handicapped pass, because there’s somebody worse off out there than him,” Fletcher said. “That’s his mentality.”

Fletcher said Holland inspires the rest of the crew to keep pushing forward, even on the worst of days. The crew said they read the garrison Interactive Customer Evaluation, or ICE, comments to know they are appreciated, and to learn what they could have done better.

“A pat on the back knocks you a mile into the future; it gives you motivation,” Fletcher said.

Suggestions

Although winter 2016 is drawing to a close, Maryland could still experience one final snow or ice storm. Fletcher asks that community members remember the following before and during win-

ter weather conditions:

- Snow crews cannot provide towing or plowing service for personal vehicles.
- “Per regulation, we can’t hook up to a POV [personally-owned vehicle],” Fletcher said. “We can’t even hook up to a contractor’s truck. The only thing we can hook our equipment up to is a government-owned vehicle.”
- Park cars in adjacent rows before and during bad weather for easier snow clearing. Crew members said it’s easier to plow around a group of well-parked cars than it is to plow around an isolated vehicle.
- Do not leave a car parked in the middle of a road; crew members may not see the car when snowfall is heavy and visibility is poor.
- On-post residents requiring assistance in the snow should contact the Corvias Community Center at 410-305-1076.

Science is brewing at Natick: Early research sets foundation for advances in Soldier performance

By **JANE BENSON**
NSRDEC Public Affairs

Fermentation research by Jason Soares -- a chemical engineer at the Natick Soldier Research, Development and Engineering Center -- is at the heart, or rather the gut, of NSRDEC early research to improve Soldier health and performance.

Early research is an important part of the mission of NSRDEC, laying the groundwork for discovery and innovation to improve Soldier protection and quality of life.

Soares, who works in NSRDEC’s Warfighter Directorate, is investigating gut bacteria, focusing on the bio-fermentation aspect. NSRDEC chemical engineer Laurel Doherty is Soares’ colleague and does a lot of the hands-on work. This early research in gut bacteria will eventually be used to improve rations to help Soldiers combat the effects of stress and to improve their overall performance.

“Fermentation gives you a tool to mimic what is happening in the gut in a lab setting,” said Soares. “An actual colon has three domains. Our fermentation system can be set up so we can actually see and experiment under the conditions of all three domains of the colon.

“Part of our work was actually developing that model to use as a tool for our research. So we are not only studying fermentation, we are, at the laboratory level, developing the tools to make our fermentation more relevant. We are developing the methods to study the specific problem that we are trying to address.”

Soares and his NSRDEC colleagues work closely with the U.S. Army Research Institute of Environmental Medicine, or USARIEM, which is studying the effects of switching to a diet of Meals, Ready-to-Eat, which Soldiers often eat in remote or combat situations. The findings will be shared with NSRDEC’s Combat Feeding Directorate to provide insights into ration improvements.

“We can factor in the unique stressors faced by the Warfighter,” said Soares. “We partner with USARIEM, and they provide us the samples that enable us to do our warfighter-centric research. The work we are doing is related to



Jason Soares, a chemical engineer at Natick Soldier Research, Development Engineering Center, is investigating gut bacteria, focusing on the bio-fermentation aspect. Early research is an important part of the mission of NSRDEC, laying the groundwork for discovery and innovation to improve Soldier protection and quality of life.
Photo by David Kamm, NSRDEC

USARIEM’s 21-day MRE study. So the stressor is a rapid change in diet. This mimics the training cycle that Soldiers go through.”

The samples from the study will enable Soares to observe how the stress of dietary changes impacts gut bacteria.

“We will be able to understand what bacteria play a role in that stress state,” said Soares. “Then we’ll see if we can introduce foods that will help them overcome the stress of having to change their diets immediately. People do adjust to changes in diet over time, but during that recovery time, Warfighters still have to perform their missions and multiple duties.”

He said the rapid change in diet can cause gastrointestinal problems.

“Bacterial diarrhea, brought about by GI stress, is one of the top infectious diseases for Warfighters,” said Soares. “This type of illness can have a major effect on ability to carry out a mission due to the complications that arise from it. So, what we’re doing at the lab level is gaining knowledge. Our outcome is going to be the knowledge that we will share with Combat Feeding, who can then make exploratory ration components that could potentially be used by USARIEM in a clinical trial.”

Preliminary research and the development of a knowledge base are essential steps in the research and development process -- steps that make everything that comes after them possible.

“What Laurel and I are hoping to get out of our work is information that will form the basis for future research,” said Soares. “It’s a very important step in the process, but it is a step that isn’t always visible. Yet this underlying science is really important for getting solutions to the Soldier.”

Gut bacteria research is particularly relevant to the Warfighter because what happens in a person’s gut can affect overall physical and cognitive function.

“What happens in your gut can actually affect your brain,” said Soares. “It affects your immune system and health.”

“It has been linked to depression, anxiety and memory,” added Doherty.

Soares said he hopes that in a few years, he and his NSRDEC colleagues will develop a fermentation tool to study the small intestine, as well.

“We will link the new tool to the large intestine/colon model,” said Soares. “This tool could further our research into the impact of stress and diet on the warfighter.”

Although gut bacteria research is

being widely performed, NSRDEC’s research is specific to the Warfighter.

“What I really like about this work is to do my part in helping the Warfighter by helping him or her to feel better, perform better, because what they do is amazing,” said Soares. “The gut work is great because we have that kind of connection to the Warfighter. I love that we can tie our work to a warfighter-centric problem and know that what we are doing in the long term can benefit the Warfighter.”

“I love the fact that this project is a direct path addressing a real and defined need,” said Doherty. “We can see how this research will help Soldiers down the road.”

“The knowledge always leads to something,” said Soares. “The gut microbiome could be a huge part of our future health strategies.”

The U.S. Army Natick Soldier Research, Development and Engineering Center is part of the U.S. Army Research, Development and Engineering Command, which has the mission to ensure decisive overmatch for unified land operations to empower the Army, the joint warfighter and our nation. RDECOM is a major subordinate command of the U.S. Army Materiel Command.

HarfordNEXT master plan open for comment

Harford County Government

Aspiring to improve Harford County citizens' quality of life, the first draft of the countywide master plan known as "HarfordNEXT – A Master Plan for the Next Generation" was published online last week by County Executive Barry Glassman's administration and is now open for public comment.

The draft outlines broad goals, big ideas, and actionable recommendations to guide county planning decisions through the year 2040 on land use, transportation, environmental stewardship, agricultural and historic preservation, economic prosperity and healthy communities.

"HarfordNEXT reflects a modern, flexible approach to planning that is written in plain English, making it easier for everyone to read and consider how the plan will touch their lives and the next generation," Glassman said.

Opportunities for public feedback include 24/7 access to an innovative online tool called "Open Comment", which allows users to comment on any line of the draft document and view comments made by others.

In development since April 2015, the first draft of HarfordNEXT is a departure from previous master plans that were over 700 pages long and organized around separate "element plans" such as the Natural Resources Element Plan, Transportation Plan, and Priority Preservation Area Plan. HarfordNEXT unifies the separate elements into a cohesive, streamlined plan.

"Instead of asking citizens to fit their ideas into different element plans, we organized HarfordNEXT around six themes that reflect the comprehensive way people actually use public services and public spaces," said Bradley F. Killian, director of Harford County Planning and Zoning.

Each theme has an easy-to-follow format with a brief introduction followed by goals, principles and implementation strategies. Those themes are: Grow with Purpose, Economic Vitality, Environmental Stewardship, Preserving Our Heritage, Mobility and Connectivity and Promoting Healthy Communities. Images and infographics are used throughout the draft to highlight key features.

Big ideas introduced in the draft

“Instead of asking citizens to fit their ideas into different element plans, we organized HarfordNEXT around six themes that reflect the comprehensive way people actually use public services and public spaces.”

Bradley F. Killian

Director of Harford County Planning and Zoning.



include holistic transportation planning that emphasizes livability over simple vehicle mobility. Other ideas include green infrastructure planning, a renewed emphasis on preservation, and so-called "form based" zoning that considers the design and operation of a proposed development.

Bringing the vision closer to home, HarfordNEXT divides the county into seven community planning areas to focus on unique opportunities to strengthen each of those communities. The seven areas are: Churchville/Creswell, Edgewood, Fallston, Greater Bel Air/Emmorton/Forest Hill, Greater Aberdeen/Bush River/Havre de Grace, Joppa/Joppa-towne, and the Northern Tier.

The complete first draft of HarfordNEXT, along with a summary, called "HarfordNEXT At-A-Glance", can be accessed via the county website at <http://www.harfordcountymd.gov/660/HarfordNEXT>.

A copy of the complete draft with

the "Open Comment" feature can be found at Caution-<https://harfordcounty.opencomment.us/>

Registered users of this feature can make comments and view comments made by others, all of which are flagged by a speech bubble appearing on any line of the document that has generated comments.

Citizens may also email comments to P&ZHarfordNext@harfordcountymd.gov or call 410-879-2000. Comments are also welcome by mail to the Dept. of Planning & Zoning, 220 S. Main St., Bel Air, Md. 21014. For those without access to a computer, paper copies are now available at all 11 branches of Harford County Public Library.

Public comments on the first draft of HarfordNEXT will be accepted through March 23, for the final draft that will be presented in May for approval by the County Council. Master plan updates are required by the state at least every 10 years.

BY THE NUMB#RS

‘Leaping’ into 2016

During a leap year, which occurs every four years, one additional day is added to February to keep the calendar year synchronized with the astronomical or seasonal year.

1582

A.D. year in which Pope Gregory XIII created the Gregorian calendar. He also established Feb. 29 as the official date to add during a leap year.

365.242

Days it takes the earth to orbit the Sun during a solar, or astronomical, year. It's that .242 days that requires the addition of an extra day to the calendar every four years.

35

Number of years the inception of the satirical French newspaper, "La Bougie du Sapeur," published only on Feb. 29 of every leap year. The paper began as a joke between friends, but now circulates 150,000-200,000 copies, available on newsstands for one month after its release date.

29

Extra date added to the February calendar on leap years. People born Feb. 29 may be called "leaplings" or "leapers." They usually celebrate their birthdays Feb. 28 during common years.

4

Number by which all leap years are evenly divisible. Century years must also be evenly divisible by 400. For example, 2016 divided by four is 504, meaning it's a leap year. While 1900 is evenly divisible by four, it's not evenly divisible by 400 – which means it wasn't a leap year!


1


Extra second, known as a "leap second," that was added to the June 2015 clock. A leap second is occasionally added to re-sync atomic clocks with the planet's rotation.

By STACY SMITH, APG News

Source(s): www.cnn.com; www.wikipedia.org; www.timeanddate.com

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Employees eligible for donations in the Voluntary Leave Transfer Program

To participate in the Voluntary Leave Program, use forms OPM 630, Application to Become a Leave Recipient Under the Voluntary Leave Transfer Program; OPF 630-A, Request to Donate Annual Leave to Leave Recipient Under the Voluntary Leave Transfer Program (within agency); or OPM 630- B, Request to Donate Annual Leave to Leave Recipient Under the Voluntary Leave Transfer Program (outside agency). Please contact Sue Campbell at 410-306-0266 or sue.a.campbell@usagapg.gov

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ALL THINGS MARYLAND

Thurgood Marshall

Civil Rights advocate and first African-American Supreme Court justice

By **RACHEL PONDER**
APG News

Thurgood Marshall, an important figure in the American Civil Rights Movement and the first African-American Supreme Court justice, was a Baltimore native.

Born July 2, 1908, Marshall was given the name Thoroughgood but later shortened it to Thurgood. He attended racially segregated schools in the city, including Baltimore's Colored High and Training School, later named Frederick Douglass High School. His parents William, a waiter, and Norma, a teacher, promoted education in the home and encouraged debates over the dinner table.

After high school Marshall attended Lincoln University in Pennsylvania. After graduating with honors, he attended Howard University School of Law in Washington D.C., a historically black college.

While at Howard, Marshall was inspired by his law professor Charles Hamilton Houston, the dean of Howard University School of Law who would argue several important civil rights cases before the U.S. Supreme Court. Houston taught his students they would gain civil rights by changing laws. Marshall graduated first in his class in 1933.

Between 1934 and 1961, as an attorney for the National Association for the Advancement of Colored People, or NAACP, Marshall traveled throughout the U.S. representing clients in racial justice disputes, earning him the nickname "Mr. Civil Rights." He argued 32 cases before the U.S. Supreme Court, more than anyone else in history.

In one notable case that was a victory for Marshall, *Smith v. Allwright*, the Supreme Court overturned the Texas state law that authorized the Democratic Party to set its internal rules, including the use of white primaries.

Marshall's highest profile case was *Brown v. Board of Education of Topeka*, a decision that desegregated public schools. During this case, Marshall challenged the doctrine of "separate but equal" established by the 1896 Supreme Court Case *Plessy v. Ferguson*.

Marshall envisioned a country where all Americans had equal opportunities. He said, "a child born to a black mother in a state like Mississippi has exactly the same rights as a white baby born to the wealthiest person in the United States. It's not true, but I challenge anyone to say it is not a goal worth working for."

The 1954 *Brown v. Board of Education* case established Marshall as one of



(Clockwise from top left)
A photo of Thurgood Marshall, taken in 1967, the year he became the first African-American Supreme Court justice.

The main terminal of the Baltimore/Washington International Thurgood Marshall Airport in Linthicum

Thurgood Marshall Elementary School in Gaithersburg.
Courtesy photos

the most prominent lawyers in America, and attracted the attention of top U.S. leaders. In 1961, President John F. Kennedy appointed Marshall as a judge for the U.S. Court of Appeals for the Second Circuit. Over the course of four years, Marshall issued more than 100 decisions, none of which were overturned by the Supreme Court.

In 1965, Marshall became the first black U.S. solicitor general. During his two years as solicitor general, Marshall won 14 of 19 cases he argued before the Supreme Court.

In 1967, President Lyndon B. Johnson nominated Marshall to serve as a Supreme Court Justice. When he was sworn in Oct. 2, 1967, as a nation's first African American Supreme Court justice.

In the book "Showdown: Thurgood Marshall and the Supreme Court Nomination That Changed America," author Wil Haygood called Marshall an "evangelist on behalf of the law."

"During his twenty-four years on

the Supreme Court, Thurgood Marshall remained unerringly true to his principles," Haygood wrote. "His concurring opinions and dissents echoed his beliefs about the First Amendment and equality."

During his tenure as Supreme Court Justice, Marshall wrote 322 majority opinions, which ranged from freedom of speech to the death penalty. He resigned from the Supreme Court in 1991, due to poor health. Upon his retirement, Paul Gewirtz, Marshall former law clerk, wrote, "To do what he did required a heroic imagination [...]. Thurgood Marshall had the capacity to imagine a radically different world, the imaginative capacity to believe that such a world was possible, the strength to sustain that image in the mind's eye and the heart's longing, and the courage and ability to make that imagined world real."

Marshall passed away Jan. 24, 1994. He was 84 years old. Many institutions in the U.S. bear Marshall's name as a trib-

ute to his legacy. Tributes in Maryland include the Baltimore/Washington International Thurgood Marshall Airport in Linthicum, the University of Maryland's Thurgood Marshall Law Library in College Park, Thurgood Marshall Elementary School in Gaithersburg, and the Thurgood G. Marshall Middle School in Temple Hills. The Thurgood Marshall Memorial Statue on Lawyers' Mall near the State House in Annapolis, Maryland, was dedicated during an Oct. 22, 1996 ceremony attended by then-Maryland Governor Parris N. Glendening, Marshall's widow, Cecilia, and other members of his family.

Sources:
www.biography.com
<http://msa.maryland.gov/>
www.wikipedia.org/
www.history.com

Article, "Thurgood Marshall" by Paul Gewirtz, published in the 101 Yale Law Journal 13 (1991).

Book "Showdown: Thurgood Marshall and the Supreme Court Nomination That Changed America," by Wil Haygood (2015)

'Leaping' into history

By **YVONNE JOHNSON**
APG News

According to the Gregorian calendar, leap year doesn't occur exactly every four years.

That's right. Leap years occur in years divisible by four, except for those divisible by 100 and not divisible by 400. In effect, that means that 97 out of every 400 years are leap years, including the century years 1600 and 2000 but not 1700, 1800 and 1900. Try the math.

History marches on, however, no matter the date, and some pretty interesting things occurred over the years since the leap day was established in 46 B.C. on the Julian calendar—by none other than the famous Roman dictator Julius Caesar. Here are some historical leap day tidbits of which you might not be aware.

Leap Day in history

In 1504, Christopher Columbus uses his knowledge of a lunar eclipse that night to convince Native Americans to provide him with supplies.

- The first warrants for arrests in the Salem witchcraft trials are issued on Feb. 29, 1692.

- In 1704, during the Queen Anne's War between England and France for dominion over America, French and Native American forces stage a raid on Deerfield, Massachusetts, killing 56 villagers and taking more than 100 captives.

- In 1712, Feb. 29 is followed by Feb. 30 in Sweden, in a move to abolish the Swedish calendar for a return to the "Old style."

- In 1796, the Jay Treaty, establishing peaceful trade between the United States and Great Britain goes into effect.

- The city of St. Petersburg, Florida is incorporated Feb. 29, 1892.

- The Piedra Movediza stone, a 300

ton boulder that balanced on the edge of a hill in Argentina, and attracted thousands of tourists, suddenly falls and breaks on Feb. 29, 1912.

- Czechoslovakia becomes a republic and a democracy with the establishment of the Constitution of 1920 which was adopted by the Czechoslovak National Assembly on Feb. 29.

- Comedian and Ziegfeld Follies alumna Fanny Brice debuts her Baby Snooks character on the radio program "The Ziegfeld Follies of the Air," Feb. 29, 1936.

- On Feb. 29, 1940, African-American actress Hattie McDaniel wins the Academy Award for Best Supporting Actress for her role as Mammy in "Gone With the Wind."

- During World War II, American Gen. Douglas MacArthur leads the invasion "Operation Brewer" on the Admiralty Islands on Feb. 29, 1944.

- On Feb. 29, 1964, Australian swimmer Dawn Fraser sets a new world record of 58.9 seconds in a 100-meter freestyle swimming competition.

- On Feb. 29, 1972 South Korea withdraws 11,000 of its 48,000 troops from Vietnam.

- Gordie Howe of the then-Hartford Whalers makes National Hockey League history as he scores his 800th goal, Feb. 29, 1980.

- In 1988, South African archbishop Desmond Tutu is arrested along with 100 clergymen during a five-day anti-apartheid demonstration in Cape Town.

- Also in 1988, Svend Robinson becomes the first member of the Canadian House of Commons to come out as gay.

- Feb. 29, 1992 marks the first day of Bosnia and Herzegovina independence referendum.

- In 1996, Faucett Flight 251, a Boe-



ing 737-200, crashes in the Peruvian Andes; all 123 passengers and crew are killed.

- During the Second Chechen War in 2000, 84 Russian paratroopers are killed in a rebel attack on a guard post near Uls Kert.

- Jean-Bertrand Aristide is removed as President of Haiti after a 2004 coup.

- In 2008, the United Kingdom's Ministry of Defence decides to withdraw Prince Harry from a tour of Afghanistan "immediately" after a leak led to his deployment being reported by foreign media.

- Also in 2008, Misha Defonseca admits to fabricating her memoir, "Misha: A Memoir of the Holocaust Years, in which she claimed to have lived with a pack of wolves in the woods during the Holocaust.

- In 2012, construction is completed on the Tokyo Skytree, the tallest tower in

the world, 634 meters high, and second tallest (man-made) structure on Earth, next to the Burj Khalifa tower in Dubai, United Arab Emirates.

Other leap year trivia

- In the Chinese calendar, leap years only occur in years of the monkey, dragon and rat.

- Irish folklore says Feb. 29 is the one day of the year women can propose to men.

- Rare Disease Day is fittingly observed on Feb. 29.

- Many couples in Greece consider it unlucky to marry during a leap year.

- The Declaration of Independence was signed during a leap year, and likely by coincidence, U.S. presidential elections coincide with leap years.

Sources:
<http://www.history.com/news/all-about-leap-day>
<https://en.wikipedia.org>

MORALE, WELFARE & RECREATION



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

Upcoming Activities

LEISURE & TRAVEL FAMILY MOVIE NIGHT FEB. 26

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

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

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

TRAVEL FAIR AND SPRING BAZAAR MARCH 9

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

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

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

FAMILY MOVIE NIGHT MARCH 11

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

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

For more information, call 410-278-4011.

FAMILY MOVIE NIGHT MARCH 25

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

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

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

CLUE - A WHODUNIT MURDER MYSTERY & DINNER THEATER APRIL 28

6 p.m.; APG North (Aberdeen)

recreation center ballroom.

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

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

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

CHILD & YOUTH SERVICES ‘LET’S COOK’ YOUTH COOKING CLASSES FEB. 27 MARCH 26

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

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

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

MISSOULA CHILDREN’S THEATRE: “PETER AND WENDY” OPEN AUDITIONS MARCH 28

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

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

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

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

NATIONAL CHERRY BLOSSOM FESTIVAL BUS TRIP APRIL 16

The National Cherry Blossom Festival is an annual two-week event that cele-

brates springtime in Washington, D.C. as well as the 1912 gift of 3,000 cherry blossom trees from Mayor of Tokyo to the city of Washington, DC. The gift and annual celebration honor the lasting friendship between the United States and Japan. Over the years, millions have participated in the annual event that heralds spring in the nation’s capital.

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

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

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

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

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

Register online at <https://apgmomc-colorrun2016.eventbrite.com>. All participants, regardless of age, must register. The first 300 youth ages 3 to 15 will receive a t-shirt.

Volunteers are needed for the fun run. Volunteers can register at <https://apgvolunteercolorrun2016.eventbrite.com>.

BEFORE & AFTER SCHOOL CHILD CARE IMMEDIATE OPENINGS

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

For more information, contact the Parent Central Office at 410-278-7571.

SPORTS & RECREATION SUTHERLAND GRILLE CLOSES FOR SEASON THROUGH APRIL 4, 2016

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

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

ARMY COMMUNITY

SERVICE PERSONAL FINANCE FOR WOMEN MARCH 10

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

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

HOME BUYING SEMINAR MARCH 16

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

This seminar will cover current real estate market conditions, and how that relates to home buying. We will also provide take-home information packets that discuss the step-by-step process as well as useful tips in buying real estate.

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

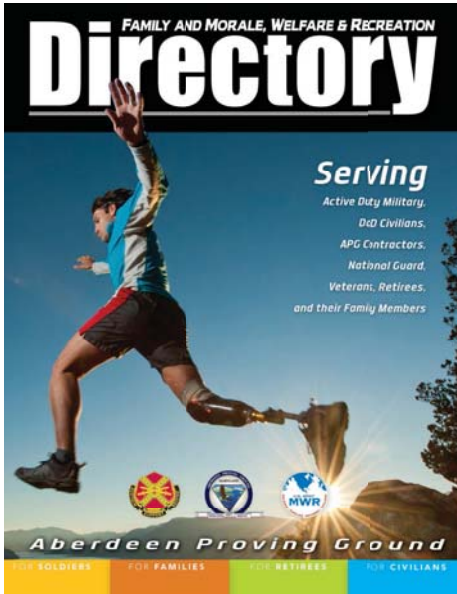
HOW TO START YOUR SMALL BUSINESS MARCH 23

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

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

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

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



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

APGMWR Presents

Dr. Seuss' **The LORAX**

March 11, 6 - 8 PM
AA Recreation Center, B3326

Free Movie, Youth Crafts, Giveaways.
Food and drinks for sale
Please do not bring your own food

For more information call us at 410-278-4011/4907 or
Email us at usarmy.apg.imcom.list.apgr-usag-mwr-leisuretravel@mail.mil

APGMWR Presents

MOVIE NIGHT

March 25, 6-8 pm
EA Recreation Center, Bldg E4140

Dr. Seuss' **HORTON HEARS A WHO!™**
AND YOUTH CRAFT

Free Movie, Youth Craft
Giveaways, Light snacks
Optional: Bring your own meal

For more information call
410-278-4011/4907 LTO or
410-436-2862/2890 EA Youth Services
or e-mail us at
usarmy.apg.imcom.list.apgr-usag-mwr-leisuretravel@mail.mil

APG retiree authors poetry book

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

An APG civilian retiree has recently fulfilled her dream of writing and publishing a book of poems.

Debbie Jennings, who retired from the former U.S. Army Developmental Test Command's, human resources division, in 2011, wrote and self-published "American Sports Legends: Your Turn to Score."

Jennings, whose pen name is "D.A. Jennings," said the book challenges readers to identify 68 sports legends based on clues in the poems.

"The unique part is that nowhere in the poem does it mention the sport or the athlete's name, location or event date," she said. "The reader is challenged to deduce that information from the content of the poem and its title. It makes for a bit of reader and book interaction that can be done individually or with a group."

In addition to providing an entertaining challenge, Jennings hopes that the book will inspire readers.

"This book was written to inspire, challenge and entertain readers through poems, which depict American athletes who have overcome obstacles of race, gender, social status, economics, age and physical challenges. This, for me, shows a slice of our society that took those challenges and didn't let it defeat them. They overcame them through just perseverance and hard work."

Throughout Jennings' 32-year career at APG, she used her writing talent to create team building exercises. She even wrote and directed four stage productions called "Eye on the Soldier," for her organization at the time, the Civilian Personnel Operations Center, or CPOC.

"We talked about the Soldiers and how important it was to keep our focus



APG civilian retiree Debbie Jennings, right, reads from her book "American Sports Legends: Your Turn to Score," for her friend, APG civilian Tracey Corkran, with the U.S. Army Edgewood Chemical Biological Center.

on them," she said. "I was inspired by the people that I worked with, seeing what they would do [on stage]."

Jennings said more than 100 people were involved in the third stage production.

"Not only did it help us keep our eye on the Soldier, it helped us grow as an organization," she said.

After she retired, Jennings attended conferences and workshops to focus on her writing.

"I attended the Fishtrap Writing Conference in the forested mountains of Oregon and got bit by the poetry bug," she said. "Since then my computer has known no rest."

She became an active member of the

Harford Writers' Group@The Library which gave her a venue to share her work with other writers. During group meetings members provide feedback through discussion and critique.

"Every month you have a meeting, and you have your work reviewed so there is some pressure there," she said. "A writer's group will give you input from various points of view. It will inspire."

Jennings credits family members who assisted in the book publishing process. Her husband, David Jennings, also an APG civilian retiree, helped edit the book and designed her website.

"I have another editor [Ted M. Zurinsky] but my husband really put

me to the task on this. He really brings out the best in me, not just in my writing but in my life. He has been such an encourager."

She said her daughter and son-in-law Lana and Rodrigo Del Sid, provided ideas for the book cover and her other daughter Victoria Jennings, a senior graphic design major at Messiah College in Pennsylvania, designed the book cover.

Jennings said scheduling time to write has been critical to her success. Her second book, "One Hundred Lives: Life and Nature Poured into Poetry," is scheduled for publishing later this year.

"It covers a wide variety of life," she said of the book. "Life is full of good and bad things. In the next book you will read something funny, right up against something that is tragic. That is how life happens."

Jennings is currently working on a third poetry book about American landmarks, which will also prompt readers to guess locations based on clues in her poems.

"It has been so much fun," she said. "We are going from the kitschy to the grand."

Jennings added thanks to several sponsors and said copies of her first book have been donated to wounded Soldiers and veterans. She said her long-term goal is to sell enough books to increase the amount of books she can donate to Soldiers and veterans.

"My true passion is giving books away," she said.

In addition to writing projects, Jennings develops curriculum for Harford Community College noncredit courses.

For more information about Jennings' "American Sports Legends: Your Turn to Score," and other writing projects visit www.dajennings.com.

Short-range air defense back in demand

By **GARY SHEFTICK**
Army News Service

The Army is looking at placing more short-range air-defense capabilities in brigade combat teams, known as BCTs.

For more than two decades, the Army has neglected the short-range threat and focused instead on missiles, said Maj. Gen. John G. Rossi, commanding general of the U.S. Army Fires Center of Excellence and Fort Sill, Oklahoma. He was part of a panel discussion, Feb. 11, at a day-long Association of the U.S. Army-sponsored Hot Topics forum on Air and Missile Defense.

Desert Storm, 25 years ago, brought the Patriot missile defense systems into prominence, Rossi said.

"As we made Patriot better and we focused on it, in essence the Air Defense community migrated to what became a point-defense branch, a missile defense branch," Rossi said.

No 'a' in missile defense?

"We took the 'A' out of Air and Missile Defense in many ways," he said. "We didn't think we really needed to focus on it."

SHORAD, or Short-Range Air Defense, battalions were deactivated. "We took all short-range air defense out of the architecture as we focused on missile defense," Rossi said, adding "that's caught up to us."

Now the proliferation of small, unmanned aircraft is forcing commanders to reassess the need for SHORAD capabilities to combat low-altitude threats.

"We've got to find a game changer," Rossi said, alluding to the need to find more affordable and lethal air-defense systems.

"We have to change the scenario or change the equation so it's more costly to attack than to defend," he said. "We've got to build to the future."

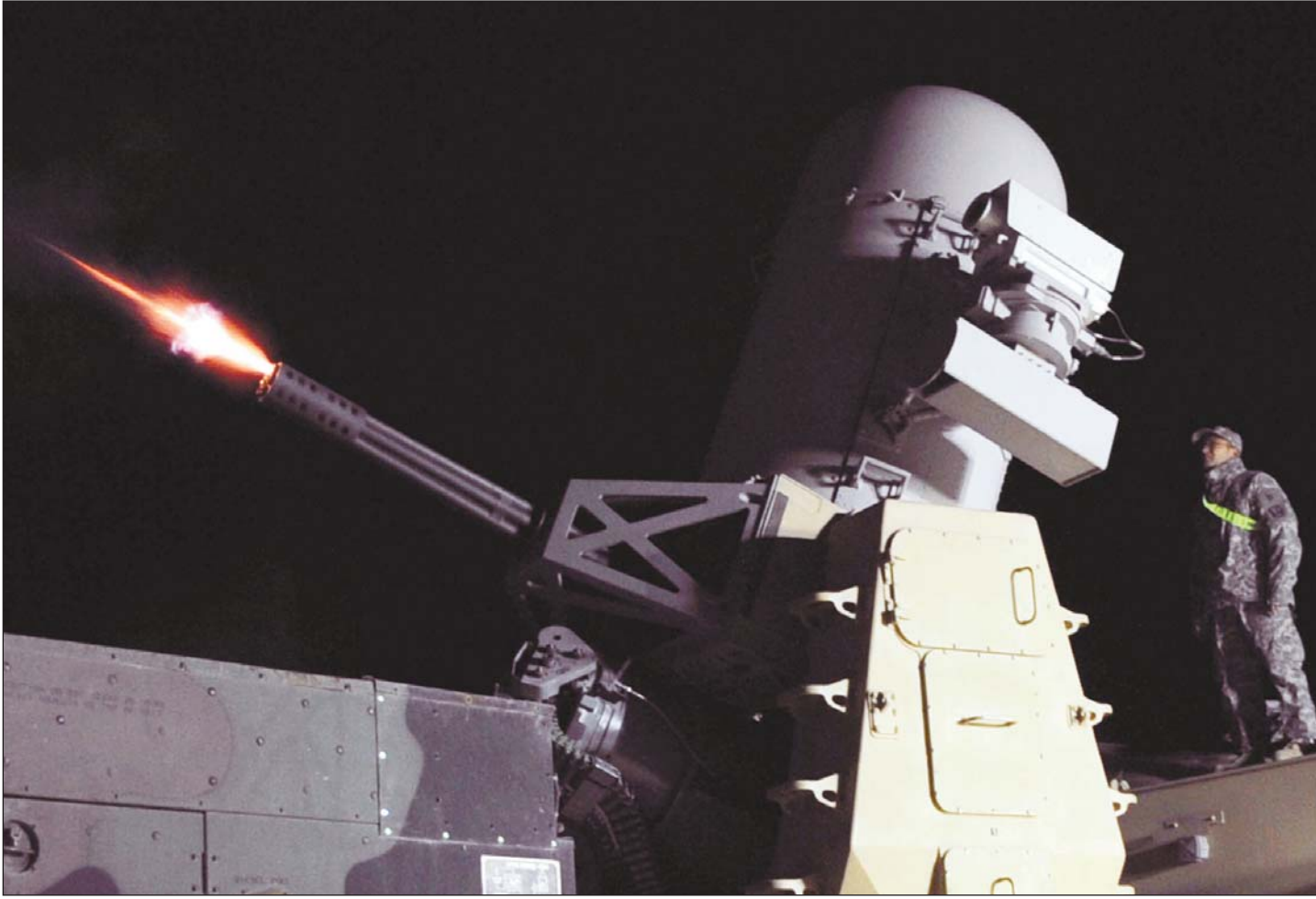
CMIN experimentation

The Counter-Unmanned Aircraft Systems Mobile Integrated capability, or CMIN, is among systems being researched for the future.

"We already demonstrated this a year ago at Fort Bliss and we're going back again now for the [Network Integration Evaluation] in the spring," Rossi said about testing CMIN at the Network Integration Evaluation at Fort Bliss, Texas.

CMIN uses a Q-50 radar to find incoming UAS, or unmanned aircraft systems, he said. The AN/TPQ-50 counter-fire radar was developed by the field artillery community to detect incoming rounds and calculate their trajectory.

Once radar spots the UAS and they are identified, then CMIN has both



A Counter-Rocket, Artillery, Missile gun fires flares during a weapons test at Joint Base Balad, Iraq, Jan. 31, 2010. C-RAM has the ability to fire up to 4,500 rounds per minute to protect the base against incoming projectiles.

non-lethal and kinetic tools to stop them, Rossi said.

Other innovations being researched to boost air defense include new sensors and a hypervelocity gun.

The hypervelocity gun weapons system uses a 155mm projectile in an air defense mode, Rossi said.

It's a good example of what he called "cross-domain expansion," merging field artillery and air defense artillery platforms.

Cross-domain expansion

Cross-domain expansion uses existing platforms in new ways, Rossi said, and is an important part of the Army Operating Concept.

A battle-tested example of this is the C-RAM, he said. C-RAM stands for Counter Rocket, Artillery and Mortar

system. It was adapted from the Navy Phalanx weapons system and was sent to Iraq for the protection of large forward operating bases such as Camp Victory and Joint Base Balad.

“One of the things we need to do is get back into the dirt -- get back into the maneuver forces and train their commanders on how do we integrate air defense, what does air defense offer...”

Maj. Gen. Glenn A. Bramhall

Commander of the 263rd Army Air and Missile Defense Command.

defense capability in BCTs.

"What we're not going to do is bring back the SHORAD battalion and lay that on top of a BCT," he said. He explained that making a brigade larger would just detract from its expeditionary nature.

What he advocates instead is "multi-functional convergence" or merging select branch attributes.

"It can't be just ADA systems inside the portfolio of air defenders to solve this in isolation," he said.

'Back into the dirt'

Air defenders need to work closely with everyone else in the maneuver force, said another member of the panel, Maj. Gen. Glenn A. Bramhall.

"I think we've lost just about a whole generation of knowledge base of how we work with the maneuver force," said Bramhall, commander of the 263rd Army Air and Missile Defense Command.

"One of the things we need to do is get back into the dirt -- get back into the maneuver forces and train their commanders on how do we integrate air defense, what does air defense offer..."

Getting back into the dirt means integrating Air and Missile Defense units into National Training Center rotations, the AMD leaders said.

It also means getting back to the basics of old-fashioned training such as how to employ camouflage netting over tactical vehicles to keep them from being spotted by aircraft, said Dr. David M. Markowitz, assistant deputy chief of staff for operations, G-3/5/7.

ARL 3-D printed tech heading to experiment

Army selects unmanned aircraft systems built on-demand for 2017 TRADOC experiment

By **DAVID MCNALLY**
Army Research Laboratory

Each year, the U.S. Army conducts a series of technology demonstrations known as the Army Expeditionary Warrior Experiments, or AEWE. The event is the U.S. Army Training and Doctrine Command’s live, force-on-force experiment.

AEWE places technologies under development by industry and Army researchers into the hands of Soldiers for early and credible feedback from the end-user.

In January, the AEWE 2017 team selected a project submitted by the U.S. Army Research Laboratory for inclusion in its next round of experimentation: On-Demand Small Unmanned Aircraft Systems, or UAS. It is one of 50 technologies slotted to participate in the experiment, 14 from government researchers and 36 from industry.

Eric Spero, an acting team lead in the ARL Vehicle Technology Directorate, convinced the AEWE selection committee that Soldiers needed to see the On-Demand Small UAS concept in order for his team to assess the progress of their research.

“We saw the trajectories of two beneficial technology areas converging in the future,” Spero said. “The technologies are 3-D printing and small unmanned aircraft systems, sometimes referred to as drones.”

They saw an opportunity to combine the two technologies to support small-unit, decentralized decision-making in complex environments, Spero said.

“Our technology is not about UASs,” he said. “It’s about the capability to design and build on-demand. The concept takes advantage of 3-D printing as a future enabler and positions us, as the U.S. military, to take advantage of increasingly better manufacturing technologies.”

UAS versatility

In a white paper, Spero outlined why the project would be relevant to the experiment’s objectives.

“The technology provides an unmanned teammate in support of manned/unmanned teaming,” he wrote. “Small UASs equipped with sensors, for example, day or night, still or video, can provide preemptive threat detection and identification.”

If small UASs are built on-demand, they can be customized to autonomously deliver specific supply classes via air.

“Small UASs can also be used to investigate weapons of mass destruction at a safe stand-off distance, looking beyond gaps, collecting forensic data, and breaching complex obstacles such as those that require hover-flight capability,” Spero wrote.

Developing capabilities

Before a mission or when an immediate, unforeseen need arises, Soldier input is used to design a mission-specific aerial solution.

Spero said his team’s software generates a computer-aided design model of the vehicle, which is then provided to digital manufacturing equipment. Rapid



manufacturing generates the UAS structure while off-the-shelf parts are gathered from inventory. Machined parts are combined with electronic parts to form the UAS. The laboratory has been collaborating closely with its partners at Georgia Tech’s Aerospace Systems Design Lab on development of software and hardware to demonstrate the capability.

“The solution is envisioned to be available at the battalion level and below, supporting the company, platoon, squad and individual Soldier,” Spero said.

Advantages over off-the shelf UASs and accompanying design process include flexibility, cost and availability.

“Small components are procured and assembled into a vehicle,” Spero said. “The vehicle is relatively easy to repair or replace, or can be disposed of. The level of maintenance is driven by how long you want a particular vehicle solution.”

“When we mention that the on-demand version is flexible, potentially more avail-

able, and at a much lower cost – that’s when people get excited.”

Science for maneuver

Spero said the on-demand approach also avoids chasing

obsolescence of electronic components. When newer components become available on the market, or when mission needs change, each can be incorporated into the software with little delay.

“A small inventory of inexpensive, off-the-shelf electronics enables a wide range of UAS capability,” he said.

The project is part of the ARL Science for Maneuver Campaign, which is one of eight campaigns that encompass the laboratory’s core competencies.

“We’re focused on gaining a deeper understanding of advanced mobility technologies that will bring greater capabilities to our Soldiers,” said Dr. Mark Valco, director of the Vehicle Technology Directorate. “This project is a good example of our efforts to explore flexible,

low-cost capability enhancements.”

Valco said producing customized designs near the location of need will reduce the burden of inventory overhead.

“The idea is, Soldiers load the mission into the design system and overnight the system creates a UAS that will meet those mission parameters,” Valco said. “That is completely different than the way we do things now. We’re heading in a new direction, not only with the design of UAVs, but in the design philosophy and the systems that fabricate them.”

Enabling new capabilities

Flexible design optimization, advances in materials and the speed of 3-D printing, or additive manufacturing, will make this vision of the future a reality, Valco said.

“This is not a solution for today,” he said. “Innovation is the key. We’re demonstrating a capability, but we need to evolve design tools, higher-grade materials and the ability to print faster. Our researchers are continually looking for opportunities to enable these new capabilities.”

AEWE 2017 may be more than a year away, but the team needs the time to collaborate with researchers from across the U.S. Army Research, Development and Engineering Command to deliver a working prototype.

All 50 sponsors of the selected technologies will participate in several coordinating working groups during 2016 to complete pre-experimentation planning and administrative requirements. Teams will also provide training to the Soldiers involved in the experiment.

AEWE 2017 will take place at Fort Benning, Georgia, between January and February 2017.

Our technology is not about UASs. It’s about the capability to design and build on-demand. The concept takes advantage of 3-D printing as a future enabler and positions us, as the U.S. military, to take advantage of increasingly better manufacturing technologies.

Eric Spero
Acting team lead in the ARL Vehicle Technology Directorate

Use extra day of the year to ‘leap’ into retirement

By **NICOLE DECAMPLI**
Social Security District Abingdon

It’s leap year and that means one thing — we all can add one extra calendar day to our February schedule. Many people are preparing for the upcoming elections. Others might be getting a jump on spring cleaning. What will you do with your extra day?

Use a few of those extra minutes to check out what Social Security offers at www.socialsecurity.gov/onlineservices.

- There, you can:
- Apply for retirement, disability, and other benefits;
 - Get your Social Security Statement;
 - Appeal a recent medical decision about your disability claim;
 - Find out if you qualify for benefits;

Anyone planning or preparing for retirement can spend a fraction of their extra 24 hours at “my Social Security.” In as little as 15 minutes, individuals can create a safe and secure “my Social Security” account. More than 21 million Americans already have accounts. In fact, someone opens one about every six seconds. Join the crowd and sign up today at www.socialsecurity.gov/myaccount.

With a personalized “my Social Security” account, individuals can:

- Obtain an instant, personalized esti-



mate of future Social Security benefits;

- Verify the accuracy of one’s earnings record, the basis for future benefit amounts;
- Update contact information for individuals currently receiving monthly Social Security benefits;
- Sign up for or change direct deposit of Social Security benefits;
- Get a replacement SSA-1099 or SSA-1042S for tax season; and
- Obtain a record of the Social Security

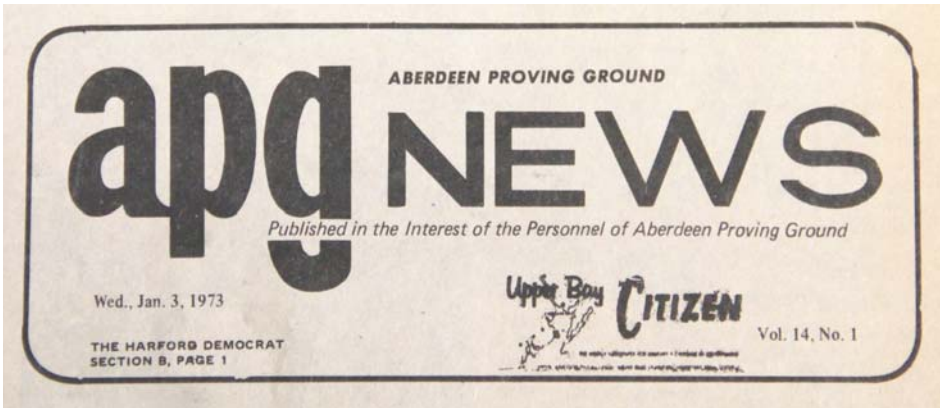
and Medicare taxes paid.

And for those with a little time to spare, check out the blog “Social Security Matters” at blog.socialsecurity.gov. The blog features guest posts by Social Security experts, in-depth articles, and answers to common questions about retirement, benefits, and healthcare. Each post is tagged by topic, making them easily searchable based on topics relevant to different individuals.

Leaping from webpage to webpage, one can see that Social Security has you covered all year long, not just on that extra day in February. Remember, the Social Security homepage offers links to a wide array of online services any time of day at www.socialsecurity.gov.

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

THIS WEEK IN APG HISTORY



Take a look back in time as the APG News explores what made the headlines around APG during this week 10, 25 and 50 years ago. This week's APG News masthead is from 1973.

By **YVONNE JOHNSON**, APG News

10 Years Ago: Feb. 23, 2006

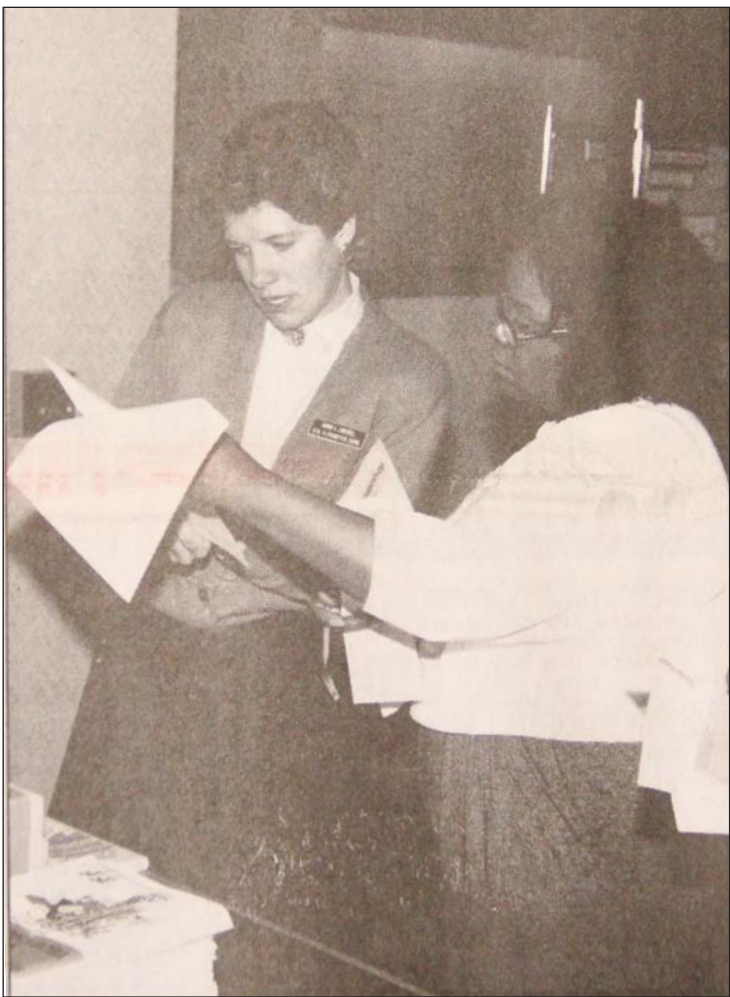


(Left) Airman 1st Class Jason Anderson of the OC&S Air Force Detachment affixes the sign naming Bldg. 4317 as William C. Ocker Hall, after the U.S. Air Force colonel who once commanded the flying field that became the Philadelphia International Airport.



(Right) Safety instructor Dave Backert demonstrates maneuvers for a group of students on the APG motorcycle course.

25 Years Ago: Feb. 27, 1991



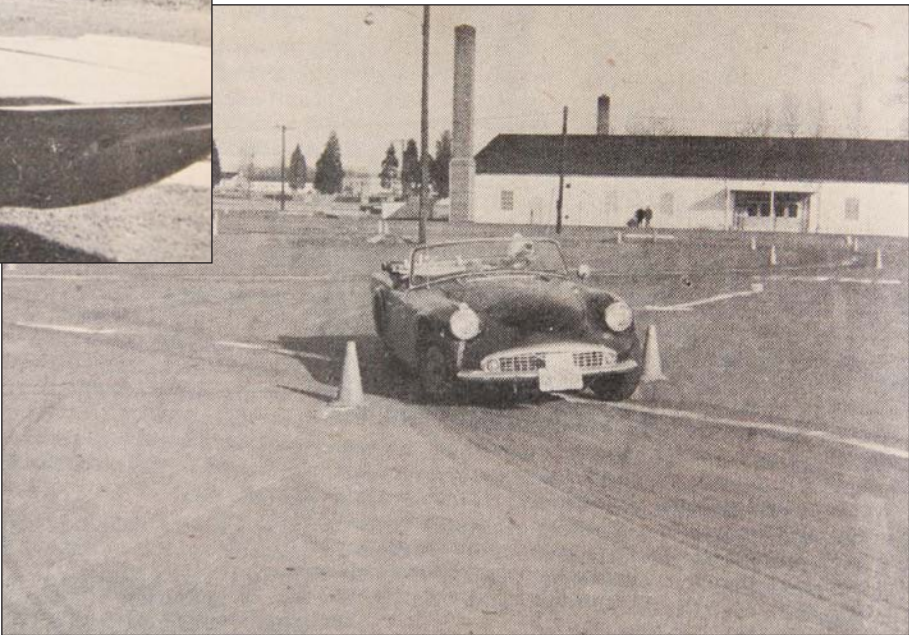
(Above) From left, Maj. Gen. George H. Akin, APG commander; Maryland Congresswoman Helen Bentley; Harford County Executive Eileen Rehrmann; and Maryland Governor William Donald Schaefer, visit static displays of the U.S. Army Combat Systems Test Activity during the governor's visit to APG.

(Left) APG Health Promotion Coordinator Marni Enkeboll, left, reviews the results of a personal health assessment with Joyce Watlington during a Health Assessment Fair for Human Engineering Lab employees.

50 Years Ago: Feb. 24, 1966



(Left) Maj. John Ball tests the Delta Reconnaissance Experimental Test Vehicle on dry turf as part of the U.S. Army Limited War Laboratory's development of the vehicle for possible use in Vietnam.



(Right) Pat Waugh wheels her Daimler through the pylons at the Main PX parking lot during the Swan Creek Sports Car Club gymkhana competition.

Researchers mitigate Soldier stressors

By **DAVID VERGUN**
Army News Service

Army researchers are trying to better understand the types of stress Soldiers could encounter in combat that might cause degraded performance. They are also looking into ways to mitigate those stress factors, said Dr. Mike LaFiandra.

LaFiandra, chief of the dismounted warrior branch at Army Research Laboratory, or ARL, spoke at the National Defense Industrial Association-sponsored Human Systems Conference in Springfield, Virginia, Feb. 9.

Other speakers focused on both machine and human performance goals.

Soldier performance

Stressors impinging Soldier performance can be dust, toxic fumes, fatigue from carrying heavy loads and other things, LaFiandra said.

Special sensors are being used to measure the effects those variables have on performance, he said.

Once the information is quantified, the next step is exploring various mitigation strategies to prevent performance degradation, he said. Mitigation strategies that work could result in improved task performance upwards of 20 or 25 percent.

The methodology might seem pretty straightforward, but it’s actually not, LaFiandra said.

Certain stressors have a much greater impact on Soldier performance than others. Understanding why those differences occur is just as important as understanding the types of stressors, he said.

Another challenge is selecting the right sensors. While some sensors are small and non-invasive, others, such as face masks which measure oxygen uptake are not, particularly in a field environment. Such invasive sensors might create stress of their own.

Identifying stressors and their causes is not always straightforward, LaFiandra said. For example, Soldiers on flight lines were found to experience a much



Photo illustration by Peggy Frierson, DMA

Human-machine relationships with autonomous vehicles like unmanned aerial vehicles and unmanned ground vehicles are explored for future research.

higher than average loss of hearing.

One might conclude, LaFiandra said, that the loss of hearing was simply due to the noise of helicopters and jets. But further investigation found the cause to be slightly more complicated than that. An occupational health study found that the toxic effects of aircraft fumes compounded the effects of the aircraft noise in causing hearing loss. The study could later inform mitigation strategies for that hearing loss.

ARL is working with the Defense Advanced Research Projects Agency, the other services and Special Operations Command on a number of other stressor mitigation projects that show promise to improve Soldier performance.

Human-machine performance

Dr. Greg Zacharias, the U.S. Air Force’s chief scientist and advisor to the Air Force chief of staff, spoke about human-machine relationships with

autonomous vehicles like unmanned aerial vehicles, or UAV, and unmanned ground vehicles, used by all of the services.

While these vehicles are called autonomous, he noted, they’re really not, because a human is in the loop interacting with the systems.

While autonomous vehicles hold great promise for Warfighters winning in a complex world, Zacharias raised concerns about how humans interact with those machines.

“Vigilance complacency” is one example of how a Soldier could team poorly with a UAV, he said. Long hours watching a blip on a computer screen could and has caused UAV operators to lose focus and not detect errors.

A possible solution to vigilance complacency, he said, is to make the machine more aware of the operator, monitoring the operator’s physiological state of alertness and providing some sort of

warning when alertness levels decline below a certain point.

Complexity is another potential problem. As gear becomes more complex, longer training time is needed for operators, he said.

Complex controls, displays and actions required by the operator increase workload and decision time. Eventually, operator performance could deteriorate to the point where the benefits of autonomy become lost.

A mitigation strategy to prevent complexity would need to come at the early design phase of the system, with extensive user testing to determine how well the human is interacting with the machine.

The right level of operator trust in their equipment is also important, Zacharias noted. If an operator puts too much trust in a UAV to operate on autopilot, for instance, the operator might not notice a decrease in speed and elevation and a crash could result.

Not enough trust in a machine can also prove detrimental, he said. An operator who doesn’t trust the machine and overrides its calculations can cause harm to the machine or the mission.

Future human-machine endeavors

Zacharias thinks that future autonomous systems will be wired in ways similar to the human neural network. This, he said, will allow machines to have a better understanding of their human counterpart and humans will be able to better relate to their machines.

The chief scientist even thinks that systems can be designed with “flexible autonomy,” whereby the operator can hand off tasks to the machine, or the machine can hand off certain tasks to the operator, based on mission demands and workload changes.

The neural networked machine could become aware of itself, similar to the way humans are self-aware, and if the machine becomes damaged, it might even find ways to heal itself, he said.

2016 APG Chapel Easter Services

Easter Sunrise Service

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

APG North (Aberdeen) Chapel

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

Protestant Services		
All Sunday services at 10:15 a.m.		
Protestant Lenten Bible Study & Lunch		
Wednesdays through March 23	Fellowship hall	Noon

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

APG South (Edgewood) Chapel

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

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

Jewish Holy Days

Point of contact: Col. Jonas Vogelhut
443-619-2304

Passover begins Friday, April 22
Passover ends Saturday, April 30

Stations of the Cross, Soup and Bread

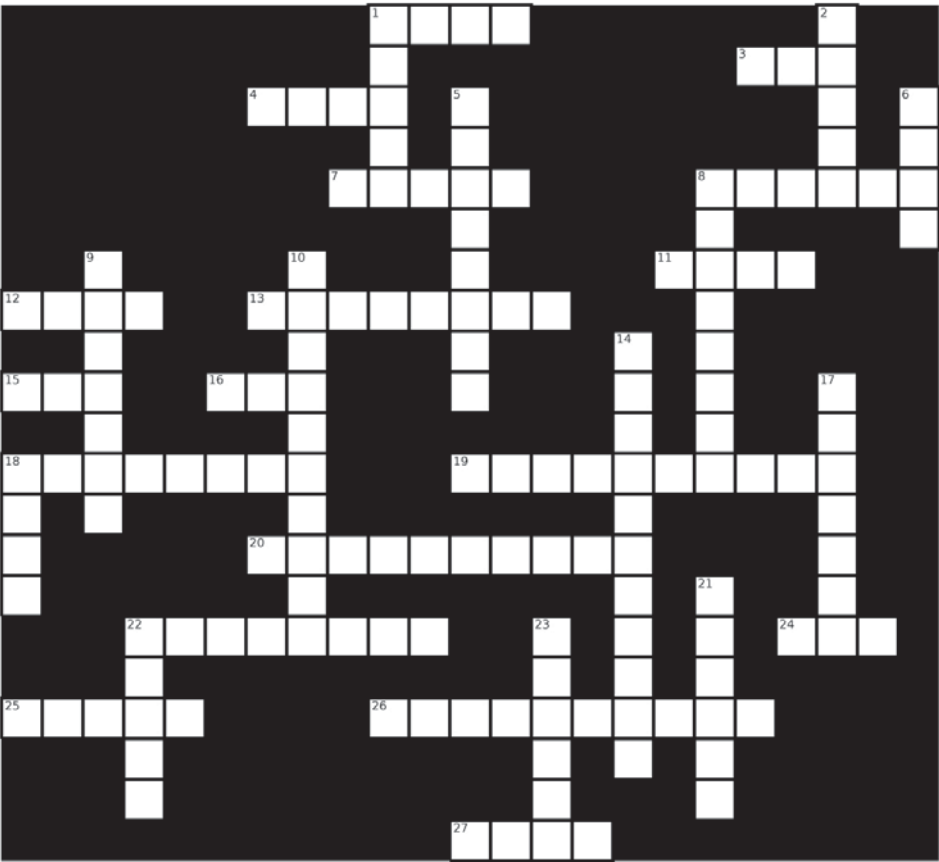
Followed by a study on “The Seven Deadly Sins”
Every Friday during Lent.

See APG North and APG South chapel schedules for alternating dates and locations.

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

Want to make a difference in how services are rendered at APG? Tell us how we are doing. Visit **<http://ice.disa.mil>**.

Click on “ARMY” then “Aberdeen Proving Ground.”



The APG Crossword

International Polar Bear Day

By **STACY SMITH**, *APG News*

International Polar Bear Day is Feb. 27, a day that draws attention to the plight polar bears face in a warming Arctic, and how people can help. Complete this puzzle to learn more about the world’s largest land carnivores.

Across

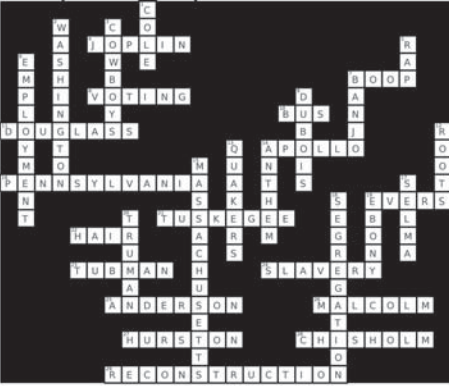
1. Name of a popular television series that featured polar bears living on a the tropical island setting.
3. Part of a polar bear’s body that is thicker than any other bear’s, providing added warmth and traction.
4. Name of the orphaned polar bear who was born in captivity at the Berlin Zoological Garden in 2006 and unexpectedly died four years later.
7. Indigenous people who consider the polar bear, or ‘Nanuq’, an animal worthy of great respect.
8. Thousands of Marylanders dip into the Chesapeake Bay during the annual Polar Bear _____ in support of Special Olympics Maryland.
11. Substance polar bears roll in that cleans their coats.
12. Popular carbonated beverage that sometimes features a polar bear as its mascot in advertisements and commercials.
13. Name of sounds a polar bear makes in response to stress; often heard when a mother bear is worried for her cubs’ safety.
15. A young polar bear who

- stays near its its mother for about two years after its birth is called this.
16. Based on projected future losses of this important sea component, two thirds of the world’s polar bear population could disappear within this century.
18. Despite adaptations to their harsh environment, polar bears can _____, especially when running or in ‘balmy,’ above-freezing temperatures.
19. Behavioral attitude signified by polar bears through hissing, snorting and lowering the head.
20. Two layers of fur and a thick layer of body fat provide polar bears with so much _____ that their body temperature and metabolic rate won’t change even when temperatures reach -34 degrees Fahrenheit.
22. The skills young male polar bears learn during ritualized play-fighting helps them find a mate during this season.
24. Area where female polar bears give birth and nurse their young.
25. The polar bear’s sole predator.
26. Type of gas emitted by human activity which poses the greatest threat to polar bears.
27. Marine mammal that is the primary prey of polar bears.

Down

1. The polar bear in this language is called “sea bear.”
2. Recent studies suggest that polar bears split from this common bear ancestor 350,000 to 6 million years ago.
5. Type of activity polar bears engage in when traveling between Arctic sea ices.
6. Researchers believe that succesful hunting in dynamic arctic environments is one sign of

Think you solved last week’s puzzle?
Check out the solution below
Solution to the February 18 puzzle



WORD OF THE WEEK

Ameliorate

Pronounced: uh-MEEL-yuh-reyt

Part of Speech: Verb

Definition:

1. To make or become better, more bearable, or more satisfactory; improve:

2. To grow better, as wine ameliorates by age.

Use:

The board members examined possible remedies that might ameliorate the negative impacts of forced retirement.

Like a cooling breath of relief, a simple ceiling fan can ameliorate the discomfort of a hot summer day.

Some of their complaints were ameliorated with the establishment of longer break periods.

Political reforms could ameliorate the living conditions of the poor.

By **YVONNE JOHNSON**, *APG News*

Source(s): <http://www.oxforddictionaries.com>

<http://dictionary.reference.com>

ACRONYM OF THE WEEK

USARPAC

U.S. Army Pacific

The U.S. Army Pacific, or USARPAC, is an Army Service Component Command, or ASCC, of the United States Army and is the Army component unit of the United States Pacific Command, USPACOM. The command’s main areas of jurisdiction include Hawaii, Alaska, the Pacific Ocean, South Korea and Japan. It also performs missions in Southeast Asia, in countries such as the Philippines and Bangladesh. However, subordinate units of this command sometimes perform humanitarian missions in places such as Haiti, Cuba, and the Middle East.

USARPAC includes approximately 80,000 Soldiers spanning from the Northwest Coast and Alaska to the Asia-Pacific region, including Japan.

USARPAC is headquartered on Fort Shafter, Hawaii, with more than 5,000 Soldiers, civilians, contractors, and military families living and working on the 589-acre post.

USARPAC is engaged throughout the Asia-Pacific region, providing trained and ready, Active and Reserve Component combat and enabling forces, and playing a key role in U.S. Pacific Command’s theater security programs. It has sent peacekeeping forces to the Sinai Peninsula, Haiti, East Timor, and Bosnia.

USARPAC is led by Gen. Vincent K. Brooks and Command Sgt. Maj. Bryant Lambert.

By **YVONNE JOHNSON**, *APG News*

Source(s): <https://usarpac.army.mil>

APG CATCH-A-POACHER PROGRAM

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

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

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

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

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

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

Upcoming changes highlight town hall info

Continued from Page 1

DES, Chief Stephen Jellie announced the installation will begin transitioning to an Automated Installation Entry, or AIE, system in early summer that should be activated in Fall 2016.

“Instead of your ID card being checked by a guard, it will be run by a card swipe,” Jellie said.

Jellie encouraged community members to provide feedback about the new gate system after it begins operation.

“All of us use the gates every day, so I’m very interested in your comments and concerns; what you feel is working and not working,” he said.

In compliance with the REAL ID Act, Jellie said some drivers with out-of-state licenses will now have to produce a second form of photo ID to access the installation. The act establishes minimum security standards for state-issued driver’s licenses and identification cards and prohibits federal agencies from accepting licenses and IDs from states that do not meet these standards. The non-compliant states include Illinois, Minnesota, Missouri, New Mexico and Washington.

Jellie added the upsurge in police officer presence at control access points is meant to observe current procedures, and is not indicative of a heightened threat to installation security.

“There are no increased threats, nothing to be alarmed about,” he said.

New street names, building numbers

In addition to a new gate system, APG will convert to new street names and building numbers this summer to comply with Department of Defense, or DOD, regulations and the enhanced APG 911 call system.

“We have to rename about 25 percent of our streets [and] there’s about another 25 percent that never had a name before,” said Director of Public Works Tom Kuchar.

He added that every building will retain its building number on the outside of the building, but will also include a street number.

Planned demolitions of buildings on APG will take down over half a million square feet on APG North (Aberdeen) and South (Edgewood) within the next 10 years, Kuchar said. He said the former Ordnance Center and Schools, Bldg. 5043 on APG South (Edgewood), will be the first to be knocked down.

Kirk U.S. Army Health Clinic, or KUSAHC, Commander Lt. Col. Wesley Anderson addressed concerns about the



Garrison Command Chaplain Lt. Col. Arleigh vonSeggern talks about creating a more ready and resilient Army through the Strong Bonds program during the Installation Town Hall at the APG North (Aberdeen) post theater Feb. 17.

Zika virus and said the 52 cases reported so far in the U.S are travel-associated.

“There are no cases that have originated from the states at this time,” Anderson said, but cautioned that the virus is spreading. He advised pregnant women or those planning to become pregnant to take precautions if they plan to travel abroad.

Anderson described symptoms as “flu-like” and said treatment is fairly simple and includes drinking fluids and getting plenty of rest. For additional information about the virus, visit www.cdc.gov/zika/.

Morale, Welfare and Recreation

Family, Moral, Welfare and Recreation, or FMWR, Director Mike Lupacchino recognized Lauren Karbler, daughter of Maj. Gen. Daniel Karbler, for saving the lives of two children while working as a lifeguard at the APG South (Edgewood) pool.

“To be a lifeguard in the summertime is a tough job,” Lupacchino said. “Through her vigilance and eyes- on she jumped in the pool and was able to save two individuals in the deep end.”

Davis and Garrison Command Sgt. Maj. Jeffrey O. Adams presented Sgt. Karbler with a certificate of achievement and a commander’s coin.

Lupacchino also highlighted upcoming FMWR spring and summer installation events, which include a Shore Park Travel Camp; Child, Youth and School Services, or CYSS, Summer Camp; and Frisbee golf. Director John Kearney,

directed reassignments, or reassigning someone to a new position within the same organization to meet the mission.

She said the DOD will roll out the new performance appraisal system, “New Beginnings,” this year and that the Civilian Human Resources Agency, better known as CHRA, will be the first organization to operate under the new system beginning in April.

Questions for the commander

Questions regarding the need for a DFAC, also known as a “dining facility” or “mess hall,” for Soldiers; resources for those experiencing Post-Traumatic Stress Disorder, or PTSD; as well as pay disparity concerns were discussed.

In response to a question about why APG doesn’t have a dining facility, Davis explained that the number of military consistently stationed on-post would not support the establishment of a DFAC.

Regarding PTSD, Anderson explained the Army has PTSD programs and mental health services which treat active duty Soldiers on post and in the surrounding community, and added that KUSAHC is able to treat some family members.

Anderson also said a request was approved four weeks ago for an additional behavioral health care service provider, which will increase on-post appointments by about 33 percent.

Regarding pay disparity among DPW employees, Davis asked those concerned to draft an email with the details of the situation and send it to either him or to Human Resources Director Janet Dettwiler so the situation can be addressed more effectively.

“We’re really trying to stay focused to meet your needs,” Davis added.

A write-in question received following the town hall asked about missing receipt paper at the Army and Air Force Exchange Service-run fuel station. The regional AAFES director said there is an issue with the printers themselves, and a contractor is scheduled to replace the printers entirely in the coming weeks.

Honoring the fallen

Attendees observed a moment of silence for fallen Harford County Sheriff’s Office senior deputies Patrick Dailley and Mark Logsdon who died in the line of duty Feb. 10 in Abingdon.

The next installation town hall is scheduled for May 2016. For more information, email the APG Garrison Public Affairs Office at usarmy.apg.imcom.mbx.apg-pao@mail.mil.

Directorate of Plans, Training, Mobilization and Security, or DPTMS, said the next Installation Social will be held at the APG South (Edgewood) recreation center March 31. For more information about upcoming events, visit www.apgmwr.com.

Other updates

Kelly Luster from the Garrison Public Affairs Office encouraged organization leaders to submit “good news stories” about their directorates to kelly.c.luster.civ@mail.mil or Amanda.Rominiecki.civ@mail.mil.

Luster also said the installation webpage, www.teamapg.com, has been updated with an eagle icon that includes information about scholarship and internship opportunities.

“A lot of scholarships go unfulfilled every year, so there’s free money out there waiting for someone,” Luster said.

Newly appointed Garrison Command Chaplain Lt. Col. Arleigh vonSeggern introduced himself to the APG community and spoke about the need to develop strong relationships to create a more ready and resilient Army with relationship-building programs such as Strong Bonds, which begins March 17.

He reminded community members that the Easter season is underway and that those interested in chapel religious services should call 410-278-4333.

Leslie Lovick, Director of the APG Civilian Personnel Advisory Center, or CPAC, said Army downsizing has been mostly managed at APG through attrition, hiring freezes and management



NO DRONE ZONE



APG airspace restricted

Continued from Page 1

Command’s Aberdeen Test Center, or ATC, said several APG commands are allowed to fly drones for mission testing and research, but certified personnel must first coordinate in advance with ATC range control.

“We [APG] basically own the air space,” Carroll said. “For our testing purposes, we have 210 square miles of Restricted Airspace, which sounds large but in the grand scheme of things, is small.”

Installation policy stipulates that anyone observing anything out of the ordinary, such as drones, non-military aircraft, or other suspicious activity, should contact the APG police at 410-306-2222.

As of Dec. 21, 2015, the FAA requires all owners of small unmanned aircraft, or drones, weighing between 0.55 and 55 pounds to register online before taking to the skies. Individuals flying


drones for hobby or recreation off-post are strongly encouraged to follow these FAA safety guidelines:

- Fly below 400 feet and remain clear of surrounding obstacles.
- Keep the aircraft within visual line of sight at all times.
- Remain well clear of and do not interfere with manned aircraft operations.
- Don’t fly within 5 miles of an airport unless you contact the airport and control tower before flying.
- Don’t fly near people or stadiums.
- Don’t fly an aircraft that weighs more than 55 pounds.
- Don’t be careless or reckless with the unmanned aircraft--- fines may apply for endangering people or other aircraft.

For more information regarding recreational drone usage regulations, visit www.faa.gov.

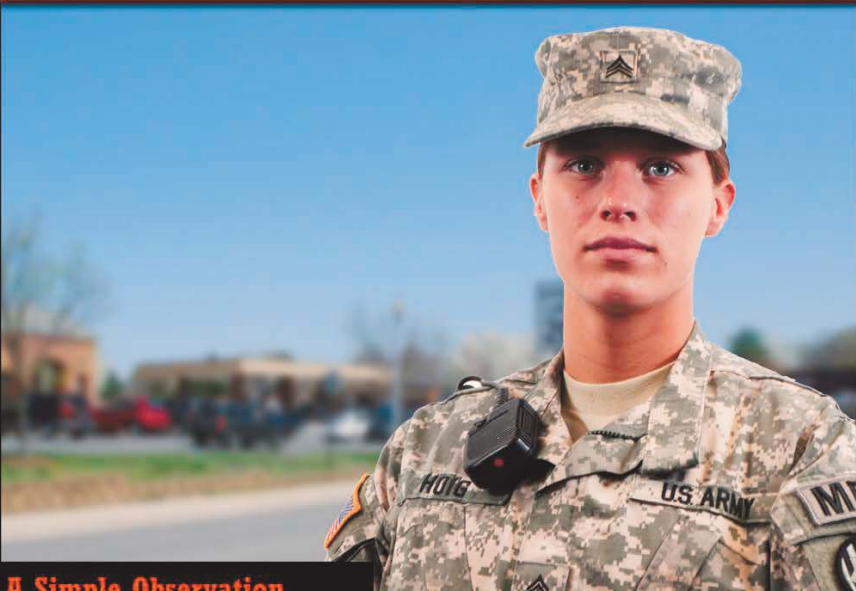
We [APG] basically own the air space. For our testing purposes, we have 210 square miles of Restricted Airspace, which sounds large but in the grand scheme of things, is small.

Martin V. Carroll
Range operations and airspace manager at ATC



**iWATCH
ARMY**



iREPORT **i KEEP US SAFE**



**A Simple Observation
A Single Report can lead to actions that may STOP a terrorist attack**

THINK ABOUT THE POWER OF THAT. THE POWER OF iWATCH.

See Something Say Something
To report suspicious behavior at APG, CALL 306-2222.

 **Always Ready, Always Alert**
Because someone is depending on you 

<https://www.us.army.mil/suite/page/605757>

Tell them you saw it in the APG News

Soldiers appreciate hospitalized veterans

Continued from Page 1

held the week of Valentines' Day. HHC 1st Sgt. Jermaine Allen said they were aware the week was approaching and they were pleased to be able to plan something during that time. He said the positive feedback from the veteran patients brings the importance of such events into focus. "It's hard for some of them to express how good it makes them feel when Soldiers visit them," Allen said. "Some of them don't have family members or visitors. With Soldiers, they can tell their stories to those who understand what service to the nation is all about." He added that even his wife, Faith, who accompanied the group, was impressed. "She said she didn't realize the importance of visiting hospitalized veterans and she felt like she really made a difference," he said. He added that the Garrison plans to "keep the camaraderie going," and visit the facility about once a quarter. APG Soldiers expressed appreciation for the visit. Staff Sgt. Francisco Macias, 3rd ADA, said he thought the gathering was "great." "It gave the younger Soldiers a chance to be with people who came before them," he said. They [the veterans] told their life stories and we got to compare how things have changed – some good and some bad. For us it was a great experience." One of the greatest advantages was listening about what it was like to serve during bygone eras, added 1st Lt. Ethan Shafer, also of 3rd ADA. "I was walking around and listening and I know these Soldiers got a lot out of this," he said. "The value is it gives them a new perspective and they realize that they're not the first and they won't



Pfc. Gifty Mahama of 3rd ADA, helps Charles Kammer, a Vietnam-era Navy veteran check his Bingo boards during the game.

be the last and that this is all about something bigger than all of us." "It was a valuable lesson," added Sgt. 1st Class Elidio Avila of the U.S. Army Test and Evaluation Command's Army Evaluation Center. Elidio escorted an amputee who was one of several confined to wheel chairs. "Especially for the young Soldiers," he said. "They got to see what the government has to offer as far as caring for veterans. It was an eye opener." **National Salute to Veteran Patients** <http://www.volunteer.va.gov/NationalSaluteVeteranPatients.asp> The purpose of the National Salute to Veteran Patients Program is to pay tribute and express appreciation to veterans, increase community awareness of the role of the VA medical center, and to encourage citizens to visit hospital-

ized veterans and become involved as volunteers. The week of Feb. 14 is observed each year as a time to say thank you to a special group of men and women: the more than 98,000 veterans of the U.S. armed services who are cared for every day in Department of Veterans Affairs (VA) medical centers, outpatient clinics, domiciliaries, and nursing homes. During the national salute, VA invites individuals, veteran service organizations, military personnel, civic organizations, businesses, schools, local media, celebrities and sports stars to participate in a variety of activities at the nation's VA medical centers. The activities and events include special ward visits and valentine distributions; photo opportunities; school essay contests; special recreation activities and veteran recognition programs. The week also provides an oppor-

tunity for the community to become acquainted with the volunteer opportunities within the medical center. For more information about how to salute America's heroes, contact the nearest VA Medical Center and ask for Voluntary Service. **Regional VA Medical Centers** **Perry Point VA Medical Center** VAMC Perry Point, MD 21902 Phone: 410-642-2411 Website: http://www.maryland.va.gov/locations/Perry_Point_VA_Medical_Center.asp **Baltimore VA Medical Center** 10 North Greene Street Baltimore, MD 21201 Phone: 410-605-7000 Website: http://www.maryland.va.gov/locations/Baltimore_VA_Medical_Center.asp **Loch Raven VA Community Living and Rehabilitation Center (Baltimore County)** 3900 Loch Raven Boulevard Baltimore, MD 21218 Phone: 410-605-7000 Website: http://www.maryland.va.gov/locations/Loch_Raven_VA_Community_Living_and_Rehabilitation_Center.asp **Wilmington VA Medical Center (Delaware)** 1601 Kirkwood Highway Wilmington, DE 19805 Phone: 302-994-2511 or 800-461-8262 Website: <http://www.wilmington.va.gov/> **Washington, D.C. VA Medical Center** 50 Irving St. NW. Washington, DC 20422 Phone: 202-745-8000 or 877-328-2621 Website: <http://www.washingtondc.va.gov/>

School event exhibits mutual respect

Continued from Page 1

rifice," said Julie Budelis, Daisy Troop 834 leader. The ten Daisies, all students at Fountain Green Elementary school, were also recently asked by their school to write letters to Soldiers as part of the Patriot Program Requirements. Budelis decided to marry both tasks into one and expand on the "Respecting Authority" petal by having the girls create valentines for local Soldiers as well. Sgt. 1st Class Clifford Martin, senior enlisted advisor for the U.S. Army Communications-Electronics Research, Development and Engineering Center, or CERDEC, was in attendance to receive the generous gifts and noted that the respect was mutual. "Being a Girl Scout is an admirable accomplishment, one that calls for courage and confidence," Martin said. "We are happy to be here amongst the next generation of great leaders who will make a difference in their schools, communities

and the world through good citizenship." Martin, along with several other CERDEC Soldiers, presented each Girl Scout from Daisy Troop 834 with a special CERDEC pin as a token of their appreciation. "I think this was a wonderful project and I am thrilled students from our school participated in it," said Alison Donnelly, principal at Fountain Green Elementary. "I also appreciate the willingness of the Soldiers to visit the girls to thank them." "We hope today's meeting will show that every Solider is in our hearts," said Budelis. "Respecting Authority" is a part of the Girl Scouts' Law, which states: "I will do my best to be honest and fair, friendly and helpful, considerate and caring, courageous and strong, and responsible for what I say and do, and to respect myself and others, respect authority, use resources wisely, make the world a better place, and be a sister to every Girl Scout."



Soldiers presented the Daisy Troops with a special CERDEC pin as a token of their appreciation.



DID YOU KNOW ?

African American chemist Lloyd Augustus Hall was a pioneer in the field of food chemistry and is responsible for improving health conditions in all areas of the food industry.

Lloyd Augustus Hall's contributions to the science of food preservation and sterilization revolutionized the way foods were processed, prepared, packed and transported, eliminating spoilage and health hazards and improving efficiency and profitability for food suppliers. By the end of his career, Hall had amassed more than 100 patents in the U.S. and in other countries. Hall was born June 20, 1894 in Elgin, Illinois. He was an honor student and captain of his debate team and competed in baseball, football and track. He graduated from West Side High School in Aurora, Illinois in the top 10 of his class and chose Northwestern University out of four scholarship offers. He graduated with a degree in Pharmaceutical Chemistry in 1915 and went on to earn a graduate degree from the University of Chicago. While at Northwestern, Hall met fellow student Carroll L. Griffith who would later found Griffith Laboratories where Hall would spend the bulk of his career. Hall worked as a chemist for the Chicago Department of Health and for the John Morrell company in Ottumwa, Iowa and then was appointed chief inspector of Powder and Explosives for the U.S. Ordnance Department when World War I broke out. He focused on the emerging field of food chemistry while working for the Boyer Chemical Laboratory in Chicago in 1919 and in 1922 he became president and chemical director of the Chemical Products Corporation. In 1925 he was reunited with his former classmate when he accepted the position of chief chemist at Griffith Laboratories

where he remained for 34 years. During that time Hall revolutionized the curing and preservation of meats by encasing nitrates and nitrites within a sodium chloride "shell" utilizing a process called "flash drying." This allowed the sodium nitrate to be introduced to the meats first and dissolved, and then the nitrates and nitrites were able to penetrate the "preserved" meat and "cure" it. Hall introduced the method of vacuum sealing foods to eliminate germs and bacteria while maintaining appearance, taste and aroma. He maintained an interest in sterilizing foods, utensils and tools, and he was the first to use antioxidants to prevent food spoilage. Hall published more than five scientific papers. He also served as an advisor to the United States during two World Wars, and on dozens of advisory panels and boards and received hundreds of awards and accolades. After retiring from Griffith in 1959, Hall consulted for the Food and Agriculture Organization of the United Nations. From 1962 to 1964, he sat on the American Food for Peace Council. His awards include honorary degrees from Virginia State University, Howard University, and the Tuskegee Institute. He died in Pasadena, California in 1971. In 2004 he was inducted into the National Inventors Hall of Fame for his work. Hall left behind a legacy as a pioneer in the field of food chemistry and is responsible for improving health conditions in all areas of the food industry.



Hall

By **YVONNE JOHNSON**, APG News
Source(s): <https://en.wikipedia.org/> <http://blackinventor.com>



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APG SNAPSHOT



INSTALLATION SOCIAL GETS A MARDI GRAS MAKEOVER

The monthly Installation Social at Top of the Bay featured a Mardi Gras theme Feb. 16. Hosted by Morale, Welfare and Recreation, the event included free hors d'oeuvres, door prizes, games and a cash bar. Installation Socials are open to the entire APG community and upcoming dates can be found at www.apgmwr.com. (Clockwise, from top left)

- Dianne Crawford, the wife of APG Senior Commander Maj. Gen. Bruce T. Crawford, right, poses with Mary Jane Jernigan of ACET, who sports a festive Mardi Gras mask.
- Garrison chaplains Capt. Jon Ginder, right, and Maj. Chad Davis, left, play a game of Cornhole.
- Medhat Abuhantash, deputy director of CECOM SEC, claims one of several raffle prizes that were awarded during the evening from Top of the Bay Catering Manager Dean Piccoli.
- New CECOM Command Sgt. Maj. Matthew McCoy, center, his wife Karen, right, and father-in-law Sam Seagraves, left, pause for snacks at one of the food tables.

Photos by Molly Blossie



Photos by Molly Blossie

EFMP HOSTS BOWLING NIGHT FOR APG FAMILIES

The Exceptional Family Member Program, or EFMP, hosted a free bowling night for APG families with special needs members at the Bowling Center on APG North (Aberdeen) Feb. 22. Two more events are planned for March 21 and April 18. For more information contact Nancy Goucher, EFMP coordinator, at 410-278-2420 or nancy.e.goucher.civ@mail.mil. (Clockwise from left)

From left, Military spouse Casey Preciado helps her son Cody, 5, roll a bowling ball down the 'dino' ramp as his brother Jordon, 9, looks on; Devin Weckesser, 18, right, high fives Gage Green, 14, after picking up a spare; From left, APG civilian Jessica Park, Gage Green, 14, Frank Green and Jeremy Park, 3, break for a snack between games.

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