



APG NEWS

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

www.TeamAPG.com

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Vol. 60, No. 22

newsbrief

GARRISON TO HOST ARMY CAREER TRACKER TRAININGS

The APG Garrison Directorate of Human Resources Leader and Workforce Development Program will host four "Getting Around Army Career Tracker 2.0" trainings in June.

According to Jill Brodbeck, garrison leader and workforce development specialist, the training classes are the direct result of a request made during the most recent garrison town hall.

"As the garrison moves forward with their restructuring efforts, we would like to arm our employees with the knowledge, tools and resources available to aid in their career development goals," she said. "The ACT 2.0 training classes will explore how to navigate Army Career Tracker, build an IDP, review training recommendations based on your career program, plan personal and professional goals, and track career information."

The upcoming classes will be held: June 9, 14, 23, and 28 from 1- 3:15 p.m. at the Mallette Training Facility, Bldg. 6008.

Classes are limited to APG garrison employees, and registration is required. To register, email Jill Brodbeck at jill.m.brodbeck.civ@mail.mil.

inside

SAFETY

APG motorcyclists participate in the Spring mentorship ride to Antietam.

Motorcycle | 3

SERVICE

A retired Army colonel and former APG civilian still serves by volunteering for the VA.

Why We Serve | 8

HEALTH

The Directorate of Public Works outlines the APG South drinking water quality report.

Drinking | 11

TECHNOLOGY

ARL explores lightweight ceramics for Soldier protection.

Army | 12

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Sgt. 1st Class Edward M. Swiger, 20th CBRNE Command NCOIC, helps local scouts place a wreath at the entrance to the Edgewood Arsenal Cemetery during the Team APG Memorial Day Tribute on APG South (Edgewood), May 30.

Photo by Maj. Ryan Donald
20th CBRNE Command



Honoring their sacrifice

Team APG tributes fallen service members

By **YVONNE JOHNSON**

APG News

Aberdeen Proving Ground hosted its annual tribute to those fallen in service to the nation during the Memorial Day Tribute at the Edgewood Arsenal Cemetery on APG South (Edgewood), May 30.

Guest speaker Brig. Gen. William E. King IV, commander of the 20th CBRNE Command, remarked on the solemn duty to remember and honor fallen service members.

King said Memorial Day is a day set aside for Americans to remember and honor those who perished while serving the nation. He

recalled former Kirk U.S. Army Health Clinic Nurse, Capt. Maria Ortiz, who became the first Army nurse killed in combat since the Vietnam War; the two Aberdeen Test Center civilians killed while conducting range tests in a Soviet-era tank in 2009; and others

See **TRIBUTE**, page 18

Bingo arrives at bowling center

Story and photos by **RACHEL PONDER**

APG News

Feeling lucky? Members of Team APG can test their luck with family and friends in a fun environment during the new session bingo for cash prizes, Monday and Wednesday evenings at the APG Bowling Center.

"We wanted to bring bingo to the bowling center because it is a fun evening activity," said Bowling Center Manager Richard Burdette.

Session bingo consists of eight games, and pays out \$50 for each game. The evening concludes with two jackpot games that are purchased separately. The first jackpot game pay-out is \$200 and the second is \$500.

Burdette said customers are enjoying the new pastime and some are becoming regulars.

"People seem to be very excited, it is just a matter of getting the word out to everybody and letting them know we are here," he said. "That is our biggest challenge."

See **BINGO**, page 18

Staff Sgt. Marissa Kinder, with the Army Contracting Command-APG, carefully reviews her card during a bingo session at the APG Bowling Center, May 25.



Event honors Asian Pacific heritage

By **LINDSEY MONGER**

ATEC

The U.S. Army Test and Evaluation Command, or ATEC, hosted the Team APG Asian American and Pacific Islander Heritage Month observance at the APG North (Aberdeen) recreation center, May 26.

The guest speaker for the observance was the Director of the Joint and Integration Office of the Deputy Chief of Staff, G-8, Brig. Gen. Viet X. Luong, with the theme of 'Walk Together, Embrace Difference and

See **OBSERVANCE**, page 17



The group Pacific Edge performs a traditional Samoan dance during the Asian American and Pacific Islander Heritage Month observance at the APG North (Aberdeen) recreation center, May 26.

Photo by Molly Blossie, APG News

index

Mark Your Calendar | 6
APG History | 14

By the Numb#rs | 7
Crossword | 16

All Things Maryland | 9
Did You Know? | 18

MWR Events | 10
Snapshot | 19

STREET TALK

If you could be the garrison commander for one day, what's the first thing you would change about Aberdeen Proving Ground?

I would add more food options on post. Maybe a Chipotle, or a Shake Shack, and a Dunkin' Donuts drive thru would be awesome.



Ogedi Okwudishu
CERDEC

Add a bus shuttle service that would be an installation circular, transporting people around both [Aberdeen and Edgewood] areas and linking transportation to and from both areas.



Syreeta Gross
APG Commuter Center

I would add more money for continuing education and schools for advancement, making them available to everyone who wants them, so people don't have to be told their organization can't pay for [school].



Robert Mercado
DPW

I'd love to bring the Soldiers back; there's 15,000 less than when I was stationed here and it hasn't done the community any good.



Jerry Rhodes
Retired military

Increase leader training. Make it mandatory training so all leaders are true to morale and welfare and the concept of leadership.



Valentine Ukandu
AMSAA

Commander's Corner

A message to the garrison workforce from the deputy

Ongoing budget reductions require the Army to reduce the size of its total force, to include civilians and contractors. Therefore Army civilian manpower is being reduced along with military reductions.

Since 2013, the Aberdeen Proving Ground Garrison has reduced the number of full-time civilian positions in its ranks by 228, with more cuts to follow in the next year. The cuts come as the Army faces shrinking budgets, mandated personnel reductions, and growing demands around the world.

The APG Garrison will lose 75 additional civilian positions in the next few years. This will leave the garrison with about 538 civilian employees, not counting FMWR employees. The resulting cost savings in civilian personnel will go toward Army modernization and improving readiness and training.

The APG Garrison is committed to reaching its assigned manpower reduction levels with the least impact on employees as possible.

The vast majority of our over-strength employees will be offered early retirement, separation incentives or placed in other positions as available. The garrison has an increased opportunity to phase out employees voluntarily due to the extended timeframe we have to make the reductions. Involuntary separations are a last resort, and will occur only after exhausting voluntary measures. There are no current plans to execute a Reduction in Force, known as a RIF, action within the APG Garrison.

On behalf of the garrison commander, I encourage supervisors to work with employees whose positions will be identified for elimination, to review their skillsets and help them find new positions. This will allow the garrison to shape the workforce, ensuring it has the right people with the right skill sets in the right jobs.

As our civilian manpower declines, we will be forced to cease some of the services currently provided at APG. The



In the end, we will make all efforts to take care of our civilian employees to ensure a smooth transition.

Our employees are our most important resource, and the APG Garrison leadership understands the impact of these decisions on its personnel and their families.

APG Garrison no longer has the luxury to trim around the margins. Many services currently provided must be eliminated so we can focus on our core capacities (public works and emergency services). However, these service eliminations will occur gradually over time as the workforce declines.

In the end, we will make all efforts to take care of our civilian employees to ensure a smooth transition. Our employees are our most important resource, and the APG Garrison leadership understands the impact of these decisions on its personnel and their families.

FRANK W. LANDS,
Deputy to the APG Garrison Commander

Job Fair & Employment Resource Expo

APG North (Aberdeen) Recreation Center

Wednesday, Aug. 3

11 a.m. to 2 p.m.



APG Army Community Service and the Susquehanna Workforce Network have partnered to host a Job Fair and Employment Resource Expo Day, Aug. 3, at the APG North (Aberdeen) recreation center, Bldg. 3326, from 11 a.m. to 2 p.m.

Various employers from local, state and federal government agencies, and private sectors will be in attendance. Business attire is recommended.

The fair is open to the public. Individuals without ID-cards must first stop at the visitor's center at the Route 715/Maryland Boulevard Gate. Drivers must present a valid driver's license and current vehicle registration. Delays can be expected at the visitor's center, so arrive early.

In preparation for the job fair, eligible APG MWR patrons are encouraged to attend the ACS "Resume & Interview Tips" seminar at Bldg. 2503 on July 6 from 11:30 a.m. to 1:30 p.m.

For a full list of employers scheduled to attend the Job Fair and Employment Resource Expo, visit www.apgmwr.com/upcoming-events. For more information, call the ACS Employment Readiness Program Manager at 410-278-9669.

Missing the paper?

APG News

If your organization is moving and would like to receive the paper at your new location, or if your organization would like to begin receiving the newspaper, send an e-mail to: usarmy.apg.imcom.mbx.apg-pao@mail.mil with the following information:

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 - The number of papers you would like to receive
 - Any additional information
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Requests for delivery do not guarantee approval. Each request will be screened and a decision will be made by the APG News, based on circulation numbers and unit need. Delivery at approved locations will again be assessed at a later date to determine if delivery will continue at that location.

Include "APG News Delivery Request" in the subject line.



See Something

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Provided by the INTEL DIV/DPTMS

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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.



INSTALLATION WATCH CARD

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

Report suspicious activity immediately to APG Police!

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

Card created by APG Intel



APG NEWS

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

Staff

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

Motorcycle mentors lead visit to Antietam

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

The APG Motorcycle Mentorship Program kicked off the spring riding season with a group ride to Antietam National Battlefield in Sharpsburg, Maryland, May 26.

Chief Warrant Officer 2 Adam Cundieff, of Project Manager, Distributed Common Ground System-Army, recently took the reins of the Garrison Motorcycle Mentorship Program, or MMP, which is overseen by the Installation Safety Office. Cundieff led 22 bikers, mainly active-duty Soldiers on the 230-mile journey to Antietam. Cundieff said in addition to giving novice riders the chance to experience everything from country back roads to major interstates in a group ride, the event was a training experience for mentors, and a chance for participants to learn about the deadliest one-day battle in the nation's history.

"This is the overall goal," he said, "to present riders with experiences they can learn from on and off the road."

He added that the Antietam destination was in keeping with the approaching Memorial Day holiday.

Cundieff provided a safety briefing and reviewed hand signals, following procedures and other safety measures before the riders departed the installation in two groups.

According to the Army Combat Readiness Center, the MMP seeks to "establish voluntary installation-level motorcycle clubs where less experienced riders and seasoned riders can create a supportive environment of responsible motorcycle riding and enjoyment."

Cundieff said plans are being made for a fall ride to close out the 2016 riding season.

Sgt. 1st Class Glominio DeLeon of the U.S. Army Research, Development and Engineering Command, said he got a lot out of the event.

"I thought it went very well," he said. "We all practiced the hand signals before we left, we all stayed in a group, had no mishaps and we went to a great location. I'm looking forward to taking my family back to Antietam."

Battery Mentor Staff Sgt. Guy Roberts of A Battery, 3rd Air Defense Artillery (JLENS) said six Soldiers from his organization participated in the ride.

"I've never been to Antietam and this was a larger group than I'm used to. For



(Above) APG motorcycle mentors and riders arrive at the Antietam National Battlefield, May 26, as part of the spring Motorcycle Mentorship Program ride.

(Below) Riders and mentors listen to a safety briefing and instructions from Chief Warrant Officer 2 Adam Cundieff at the Exchange parking lot on APG North (Aberdeen) before the start of the ride to Antietam.

the most part, I think everyone did real well," Roberts said. "A couple were newer riders and I'm sure they learned something because we experienced a little bit of everything. I'm looking forward to the next ride."

The Antietam National Battlefield where the Armies of the Potomac and Northern Virginia clashed, includes famous battle sites such as Burnside's Bridge, Antietam Creek, and the horrific "Bloody Lane." More than 23,000 Union and Confederate troops were killed, wounded or declared missing after this infamous one-day battle of Sept. 17, 1862. For more information, visit the National Park Service website at <https://www.nps.gov/anti/index.htm>.

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

For more information about the installation MMP, contact Cundieff at adam.m.cundieff.mil@mail.mil or visit the Army Combat Readiness Center website at www.safety.army.mil.



Seminar defines coach approach to leadership

By **DEVON BISTARKEY**

PM Mission Command

Today's Army is a dynamic force comprised of leaders, civilians and contractors supporting missions at home and around the globe. Inside one acquisition community, managers and their uniformed counterparts are learning new ways to approach leadership in a complex environment.

The Senior Managers Association recently hosted a training opportunity for Army and civilian leaders to learn about coaching skills and techniques during an overview session on APG North (Aberdeen), May 19. The "coach approach" is a movement away from command and control leadership tactics to a more collaborative one.

Hosted by Associate Certified Coach Kyle Perkins, a PEO C3T civilian, the three-hour session included an overview of coaching, the coaching conversation and demonstrations.

Defining Coaching

Aimed at improving force productivity, coaching includes basic leadership and management skills. It involves partnering with employees and developing thought provoking creative processes that inspire staff to maximize their personal and professional potential.

Leaders and managers want employees to perform well, complete tasks and effectively contribute to an organization. While there is no decisive outline on how this is best achieved, a global study by a large professional services firm, points to the coach approach to better predict success.

Not be confused with mentoring, counseling or consulting, coaching is employee centric and many of the creative solutions to common workplace conflicts such as motivation or accountability are designed by employees themselves when managers adapt this dialog.

Power of Conversation

The seminar drew a group of managers from human resource professionals to engineers and logisticians. While their roles in the workforce are varied, shared common struggles to tackle tough conversations united them. The main struggles addressed focused around how to challenge and motivate employees, how to instill more accountability and how to better foster team cohesion.

The training provided support and cre-



Courtesy photo

PEO C3T civilian and Assistant Certified Coach Kyle Perkins hosts a Coaching Skills seminar on APG North (Aberdeen), May 19. The session was geared toward helping Team APG learn new ways to approach leadership in a complex environment.

ated self-awareness. Individually assessed, the group took a look at their own personal behaviors through a Coaching Skills Inventory self-assessment. Responses helped each leader to acknowledge their own behaviors providing a rubric, or protocol, for understanding. Participants left feeling more aware of their own weaknesses, how to address conflict and how to ask the right questions.

"It's about helping people find their own answers," said Dan Woolley, a PEO C3T chief engineer who knew of the benefits of coaching before the day's seminar. For Woolley, the key to coaching is learning to help people understand from their perspective.

Coaching is about change and adopting techniques and approaches, and the most valuable approach to those tough conversations is aimed at asking questions over asking for answers according to Perkins. The answers become intrinsic when the right questions are asked.

Today, "I need this," or "the boss wants this," are conversation commonplaces – but coaching changes that speak to "how can you accomplish this?"

"Those types of conversations aren't happening," Perkins said. "It's not about telling people what to do or how to do it,

it's about asking them questions that can provoke creative thoughts so that they think of things they never thought of before. And then, when they come up with those things, it creates a sense of accountability and ownership which drives and motivates them to go after, perform and accomplish it. And the coach holds them accountable to that."

The power of conversation is not only about asking the right questions, but also focuses on three other conversation considerations: mirror, validate, and emphasize, as drivers to effective communication, according to the coach approach.

Perkins advised, when having tough conversations it is important to mirror what the other person is saying, a form of active listening discussed during the seminar.

"Validate their message, which serves to confirm and acknowledge their point of view showing that what is being said is valued and understood. And lastly, empathize to foster a caring environment," said Perkins.

Designing SMART Solutions

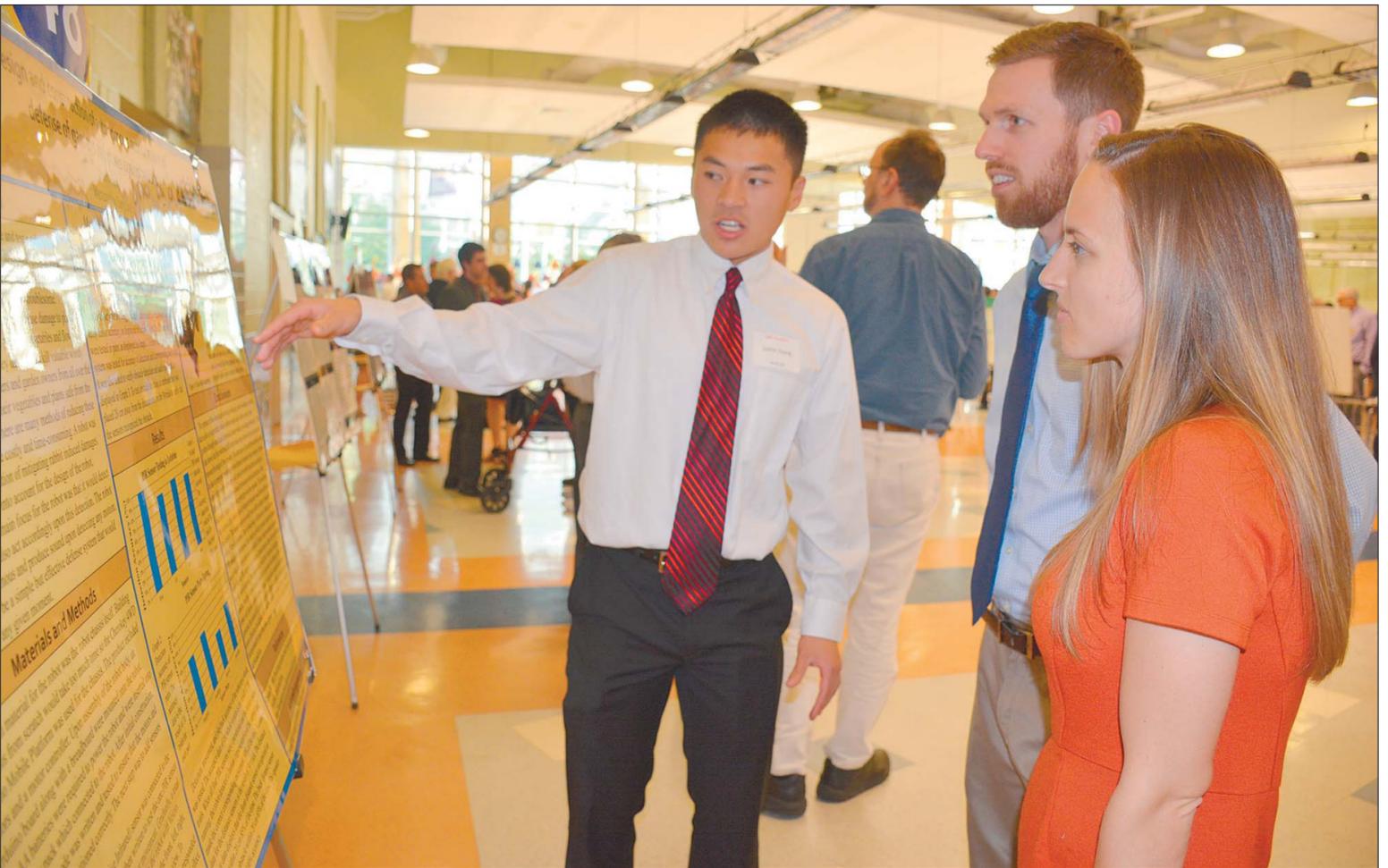
Coaching provides opportunity in an effort to give managers the tools to capitalize on their unique workforce. The prem-

ise is that the client is the creative and resourceful one.

"When people come up with their own solutions, they tend to hold themselves more accountable, so by having them design their own solutions, it creates a sense of accountability to themselves," Perkins said. "Ask clarifying questions and explore the topic and leave with an outcome."

That outcome is an action plan that drives results as part of the approach. Core competencies of coaching align with different phrases of the conversation, but each conversation always ends with a Specific, Measurable, Attainable, Relevant and Timely goal, or SMART goal, one competency of the structured coach approach.

The seminar ended with an informal open discussion where participants shared their opinions on the coaching overview session. Overall, the seminar was insightful and cultivated a growing interest in the coach approach. Perkins hopes to expand the seminar and offer additional opportunities for leaders and their teams to participate. For more information, contact Kyle Perkins at kyle.1.perkins2.civ@mail.mil.



SMA students showcase Senior Capstone Projects

On May 24, nearly 50 students in the Science and Mathematics Academy program at Aberdeen High School presented their Senior Capstone Projects to parents, peers, mentors and teachers. During their senior year, students work closely with mentors who work in the professional science community to complete their Capstone Project. This year, 24 students worked with mentors from APG.

(Above) From left, Justin Yong discusses his senior capstone project with Aberdeen High School teachers Nico Werps and Jamie White. Yong set out to create a robot that can detect intruding animals and scare them away to prevent garden damage. Yong was mentored by Gary Liu, of the U.S. Army Research, Development and Engineering Command, or RDECOM.

(Right) From left, Mitchell Roberts a SMA alumni, tries on an Improved Outer Tactical Vest with help from SMA senior Christian Olson, who was mentored by Dr. Shane Bartus, of the U.S. Army Research Laboratory, or ARL. Olson examined and analyzed the effects back plate stiffness had on the fracture of the ceramic portion of a composite armor system after being subject to ballistic impact.



Photos by Rachel Ponder, APG News

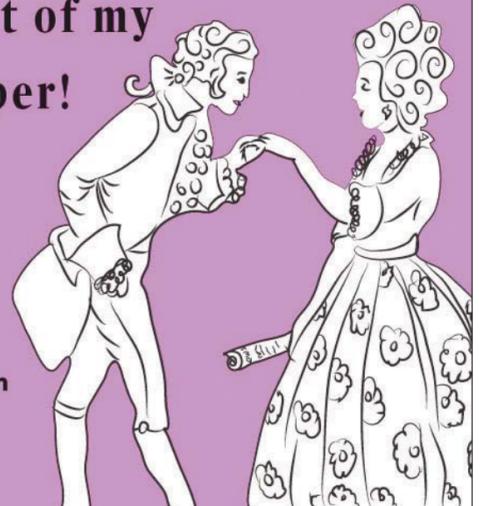
Leave Donations

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	Mielke, Sylvia A.	

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Check out the latest edition online

www.TeamAPG.com

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

MARK YOUR CALENDAR

MORE ONLINE

More events can be seen at www.TeamAPG.com

events&town halls

THURSDAY & FRIDAY JUNE 23 & 24

FAITH & FAMILY DYNAMICS RETREAT

The APG Religious Support Office will host a "Faith and Family Dynamics" couples retreat at Turf Valley in Ellicott City, Maryland June 23-24.

Lodging, child care and meals are included. Registration, by June 15, is required.

For more information, or to register, contact Chaplain Assistant Spc. Joseph Freeman at 410-278-4333 or joseph.c.freeman25.mil@mail.mil.

WEDNESDAY AUGUST 3

JOB FAIR & EMPLOYMENT RESOURCE DAY

APG Army Community Service will host a Job Fair and Employment Resource Day open to the all members of Team APG and the general public at the APG North (Aberdeen) recreation center, Bldg. 3326, from 11 a.m. to 2 p.m.

The fair will include employers from local, state and federal government agencies and the private sector.

For more information, visit www.apgmcw.com/upcoming-events.

meetings&conferences

THURSDAY JUNE 23

EEO FOR IMCOM SUPERVISORS

EEO will host a training for IMCOM supervisors at Bldg. 3147 from 8 a.m. to 4 p.m.

All supervisors attending will need to email and register with Charles Gilmore, EEO training coordinator, at charles.l.gilmore3.civ@mail.mil.

On the day of the training, check the bulletin board in Bldg. 3147 for the classroom location of the training.

Maximum 50 people per class.

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

UNTIL FURTHER NOTICE

SMALLPOX VACCINATIONS UNAVAILABLE AT KUSAHC

Please be advised that Kirk U.S. Army Health Clinic is currently unable to administer smallpox vaccinations due to temporary non-availability. An announcement will be made when vaccinations are to be resumed.

For questions, call 410-278-5475.

TUESDAY JUNE 7

ARMED SERVICES BLOOD DRIVE

Team APG will host an Armed Services Blood Drive at the APG North (Aberdeen) recreation center from 9 a.m. to 1 p.m. Walk-ins are always welcome, but appointments are appreciated. Make an appointment online at www.militarydonor.com and use sponsor code APGMD.

CLAIM REPRESENTATIVE VISIT

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

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

THURSDAY JUNE 9

FAMILY FUN, FITNESS AND NUTRITION INFO SESSION

The C4ISR Wellness Committee will host a Family Fun, Fitness and Nutrition Informational Session at Bldg. 6000, Myer Auditorium, from 11:30 a.m. to 12:30 p.m. This session will discuss how to make eating healthy and exercising fun for the whole family. You will learn tips on how to create healthy meals and fun activities the whole family can participate in, which will allow you to spend quality time together, as well as get or stay fit.

The session is open to all. Any contractors who participate in CECOM activities must not invoice any government contracts for time spent at these activities.

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

TUESDAY JUNE 21

HEALTHY EATING FOR THE SUMMER INFO SESSION

The C4ISR Wellness Committee will host a Healthy Eating for the Summer Informational Session in Bldg. 6001, 2nd floor, room 224 from 11:30 a.m. to 12:30 p.m.

Summer brings an abundance of fresh, delicious, and healthy food choices. In this session, you will learn the secret health benefits of some of summer's fruits and vegetables.

The session is open to all. NON C4ISR employees must bring their CAC CARD to gain access to the building. Any contractors who participate in CECOM activities must not invoice any government contracts for time spent at these activities.

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

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.

- **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.

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.

THURSDAY JULY 7

EDGEWOOD DENTAL CLINIC CLOSURE

The APG South (Edgewood) Dental Clinic will be closed Thursday, July 7. For more information, contact Sgt. Tracy Glover at tracy.s.glover4.mil@mail.mil.

THURSDAY AUGUST 11

EDGEWOOD DENTAL CLINIC

CLOSURE

The APG South (Edgewood) Dental Clinic will be closed Thursday, August 11. For more information, contact Sgt. Tracy Glover at tracy.s.glover4.mil@mail.mil.

miscellaneous

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:

- **April through June:** E2000 area.
- **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:

- **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:

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

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

ONGOING

FIREWOOD AVAILABLE FOR SALE

Firewood is available at a cost of \$20 per level standard 8-foot pick-up truck, \$15 per level standard 6-foot pick-up truck, and \$5 per car trunk load. Permits to buy wood are good for ten days, or until an order is filled, whichever comes first. Permits will be issued 8 a.m. to 3 p.m. on a first-come-first-served basis at APG South (Edgewood) in Bldg. E4630, Monday through Thursday. For more information, contact Scott English at 410-436-9804 or Kathy Thisse at 410-436-8789.

ONGOING

RETIRING SOON? UNCLE SAM WANTS TO THANK YOU!

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

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

Much goes into the planning for these events. Event planners set up flag displays, write speeches, print programs, provide sound equipment and photography support and even create photo DVDs for each retiree.

Also, awards and decorations are presented to retirees and their spouses.

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

This is a program designed to thank retiring personnel for their loyalty and perseverance and for the sacrifices they endured while serving the nation.

Retirees are encouraged to participate and to share this day with family members and friends.

After all, Uncle Sam wants to thank you. Don't you think you've earned it?

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

ONGOING

HARFORD COMMUNITY COLLEGE CYBERSECURITY PROGRAM

Harford Community College has announced a new cybersecurity program to prepare interested individuals – military and civilian – in an entry-level cybersecurity position.

The Cyber Defense Certificate program offers 39 credits, and prepares students for four industry-recognized certifications that include: Comp TIA's Net+, Security+, Linux+, and Cisco's CCENT. The program also awards credit for prior learning.

Classes are held at Harford Community College in the evening. Veterans and spouses are encouraged to apply. Enrollment for classes in the fall is currently underway.

For more information, contact Christine Brown at HCC at chbrown@harford.edu or 443-356-0363.

If you see it, report it

Aggressive driving has no place at APG
call **410-306-0550**



Vanpoolers needed on APG North



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

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

APG North (Aberdeen) to:

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

APG South (Edgewood) to:

- ◇ - Baltimore, MD
- ◇ - Delaware
- ◇ - Philadelphia, PA

Environmental assessment identifies potential areas of concern at APG

By **RACHEL PONDER**
APG News

An environmental compliance program in place at Aberdeen Proving Ground is helping ensure the installation follows environmental laws and regulations while aiming to prevent future large-scale environmental issues. An essential aspect of the environmental compliance program at APG is the Environmental Management System, or EMS, which provides the framework to manage all environmental programs.



Sparwasser

Carroll Sparwasser, an environmental protection specialist with the APG Garrison's Directorate of Public Works, said a successfully implemented EMS enables an organization to maintain compliance with current environmental requirements and to recognize and proactively manage future issues that might impact mission sustainability. Included in EMS is the Environmental Performance Assessment System, or EPAS, program which provides a point in time assessment of the Environmental Program, identifies deficiencies, and assists with corrective actions.

"The EPAS is one way to address potential items of concern before they become a bigger environmental problem," he said.

Sparwasser serves as a liaison between DPW and environmental officers or points-of-contact in Garrison directorates and tenant organizations. He said the U.S. Army Environmental Command, or AEC, and subject matter experts from other military installations conduct external EPAS assessments every three years. The assessors look at the installation's environmental programs, also known as "media areas," which include, air emissions, water quality, recycling, solid waste, storage tanks, hazardous material management and toxic substance management.

EPAS areas of concern are classified into open findings. "Class I" findings are critical and need to be addressed soon,

Environmental Performance Assessment System

A program that assists Army commanders in attaining, sustaining, and monitoring compliance with federal, state, and local environmental laws and regulations, as well as DOD and Army compliance and performance requirements.

or the installation might incur a fine," he said.

After an installation receives a Class I finding, environmental specialists, with the assistance of environmental officers and points-of-contact, come up with a corrective action plan. AEC and the U.S. Army Installation Management Command, or IMCOM, tracks the progress of these Class I findings on a quarterly basis.

Amy Deel, chief of the DPW environmental integration branch, said EPAS findings are "a good driver" for getting funding approval from IMCOM.

"Without a good reason to do something, we are not going to get approval to spend money," she said. "We prioritize our budget based on our open findings."

Recent EPAS findings

In 2012, APG received an EPAS finding on the poor condition of above-ground storage tanks, or ASTs, on the installation. The Clean Water Act requires that ASTs be maintained in accordance with the Steel Tank Industry Standards for ASTs and the American Petroleum Institute Standards. Fines and violations are possible if there is a reportable spill. Fines are also possible if state or federal regulators review records and determine that maintenance is not occurring, or if tanks have remained in use beyond their service life.

"Since [fiscal year 2013] APG has spent over \$1.8 million replacing ASTs in poor condition, scrapping ASTs that are no longer needed, and removing Underground Storage Tanks that were no longer in use," Sparwasser said. "Working to accomplish and close this finding has become a teamwork effort between the Environmental Division and the Engineering, Construction, and Demolition Division," he said.

Cross Connection Control Program

In 2009, the EPAS identified major deficiencies with the Cross Connection Control Program on APG North (Aberdeen) and APG South (Edge-wood), resulting in a Class I finding in the Water Quality Program.

A cross connection is a connection, actual or potential, between a potable water supply, or water suitable for drinking, and a non-potable water supply. According to Sparwasser, the cross contamination between these two water supplies can cause a serious public health hazard.

"The purpose of having a Cross Connection Control Program is to protect the public potable water supply from the possibility of contamination and pollution by isolating such contaminants and pollution which could backflow or back-siphon into the public water system," he said.

In the years following the deficiencies identified in 2009, a successful Cross Connection Control Program has been implemented on APG North. The Environmental Division coordinated with the Operations and Maintenance Division to

address life, health and safety concerns of the backflows and cross connections in the APG North water system with the City of Aberdeen, the privatized water plant operator for APG North.

"Approximately \$1.6 million has been allocated to the City of Aberdeen to install and re-certify back-flow preventers on an annual basis," Sparwasser said.

On APG South, Phase I of the Cross Connection Control Program has been implemented, and Phase II of the program is newly funded and is currently being executed. Approximately \$1.5 million has been spent to update the water connections on APG South.

"By the end of [fiscal year 2016], APG expects to be completely compliant in the Cross Connection Control Program based upon EPA standards," he said.

The EPAS program was developed and implemented by HQDA at installations across the nation in the early 1990s in response to Environmental Protection Agency, or EPA, recommendations in 1986.

For more information about EPAS, contact the Environmental Division at 410-306-2276.

“The purpose of having a Cross Connection Control Program is to protect the public potable water supply from the possibility of contamination and pollution by isolating such contaminants and pollution which could backflow or back-siphon into the public water system.”

Carroll Sparwasser
DPW Environmental Protection Specialist

Do **YOU** Know Your CPAC Rep?



What Can CPAC Do For YOU?

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410 306-0176

Location
4504 Springfield Street
APG, MD 21005

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

Discover what we can do for You!

BY THE NUMB#RS



D-Day

June 6 marks the 72nd anniversary of the historic D-Day invasion of Normandy to free Europe from Nazi Germany. Here are some numbers to put this awesome and daunting task in perspective.

150,000

Approximate number of men from American and Allied nations involved in the D-Day invasion.

13,000

Number of bombs dropped over coastal Normandy immediately in advance of the invasion.

9,000

Number of Allied Soldiers dead or wounded by nightfall on June 6, 1944.

5,000

Projected gallons of gasoline planners said would be needed just for the first 20 days after the initial assault.

256

Number of years that passed prior to 1944 since an invading Army crossed the unpredictable and dangerous English Channel.

4

Number of men who received the Medal of Honor for their actions at Normandy.

By **YVONNE JOHNSON**, APG News
Source(s): <http://www.pbs.org>



How are we doing?

E-mail comments and suggestions for the APG News to
usarmy.apg.imcom.mbx.apg-pao@mail.mil



Pete Bucha: A lifetime of service

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

Pete J. Bucha of Bel Air has been serving the nation and others in one capacity or another for nearly 50 years.

Bucha entered the military in 1967. He was recruited to play football and after basic training spent a year at the U.S. Military Academy Preparatory School, then located at Fort Belvoir, Virginia. He graduated from the U.S. Military Academy at West Point as a Quartermaster officer in 1972.

Bucha said he had no plans to stay in the Army very long but then he met his wife.

"She changed my life and really straightened me out," he said. "She's a saint because she's been married to me for 43 years."

Bucha retired as a colonel after a 30-year career. He said his most satisfying command was as a battalion commander with the 1st Infantry Division at Fort Riley, Kansas. He moved from taking care of Soldiers to caring for civilians during the government civilian career that followed and retired as the deputy director of the U.S. Army Materiel Systems Analysis Activity, or AMSAA.

Unable to keep still, Bucha went to work for Battelle as a manager for 11 years. During that time he headed the Harford Chamber of Commerce Military Affairs Committee and coordinated nearly one dozen Military Appreciation Week luncheons with public affairs officers from the APG Garrison Public Affairs Office.

Bucha retired from Battelle in 2012. Unable to sit still, he taught math at Harford Community College – where his wife was an advisor and math instructor – part time and served as a volunteer football coach at Harford Technical High School. Bucha slowed down when he had to have knee and hip replacement surgeries, but as soon as he was able, he was back out there looking for something to do.

During an appointment at the Perry Point VA Medical Center, or VAMC, in Perryville, Maryland, he said he told the audiologist he was "looking for something to help out with," and he was referred to the volunteer coordinator.

Today, Bucha drives a van donated by the Disabled American Veterans to pick up veterans at home, transport them to their appointments at Perry Point or to busses that shuttle between Perry Point and the VAMC in Baltimore, and then return them home.

Bucha said it took two months of background checks and certification classes to get cleared as a driver. He



Pete J. Bucha stands next to the Disabled American Veterans-donated van he drives to transport local veterans to and from medical appointments at the Perry Point VA Medical Center in Perryville, Maryland. A retired Army colonel and APG civilian, Bucha said he continues to serve because he finds service to fellow veterans in need "fulfilling."

started in 2015 and works one day a week, though sometimes as long as 12 hours, depending on the patient appointments.

"I find driving interesting and satisfying," Bucha said. "I love talking with the veterans. I can identify with most of them, whether they're from World War II or Afghanistan."

"I'm very outgoing and I really enjoy talking to people," he said, "And I love meeting and listening to their stories."

In April, Bucha was named the Perry Point VAMC Volunteer of the Quarter. He said while the gesture is appreciated it's nowhere near as satisfying as his new favorite pastime. Even on days when he has to rise at 4 a.m. to pick up a patient in Joppa who has to catch the 6 a.m. shuttle to Baltimore at Perry Point, and then transport them back to Joppa after they return, and even on days when aches and pains from his hip or his knee make climbing in and out of the van difficult, he is not discouraged and is even more determined to serve his fellow veterans.

He said some of his regulars were

amazed to learn he retired as a colonel; stunned that caring rose to that level.

"I've been extremely lucky and very fortunate," he said. "I just feel now that I'm retired, receiving two pensions and social security, it's my time to help the other guys out."

"Sometimes it's pretty sad the way some of these guys are struggling," he added. "Even the ones who don't share it, you see it in their eyes. Some just want to talk and I don't mind listening especially if it will help in some way."

"It's fulfilling and it makes me feel good."

Editor's Note: The reasons people turn to the military or the federal government for employment are as infinite as the number of persons who served the nation since its tumultuous beginnings. Some don't intend to stay for long – just until something better comes along – and others find themselves nearing a decade of service when they only planned to do one tour or "just a few years."

What makes them stay? Why does the Soldier reenlist? Why does the civilian

not move on to other employment? Why does a retiree continue to volunteer his time? Their reasons, while equally as infinite, will be examined in this series, "Why We Serve."

A take-off on the initial campaign inspired by APG Senior Commander Maj. Gen. Bruce T. Crawford in 2013, "Why We Serve" looks at members of Team APG – active duty, civilians, and retirees – who made the conscious decision to stick with "Uncle Sam." While introducing the original campaign, Crawford said the statement "Why We Serve" not only recalled personal reasons for service, it reminded those who might have forgotten their "responsibility to honor the solemn promise when we raised[ed] our right hand and swore allegiance to our nation."

The stories, while as unique as the individuals telling them, may seem unremarkable, but the series is not about heroes. It's about people who get up and go to work every day, united by their service to the warfighter and the common bond of national trust.

ALL THINGS MARYLAND

Historic London Town and Gardens

Anne Arundel County site like 'a trip through time'



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

Historic London Town and Gardens is a sure attraction for history buffs and nature lovers across the region.

The 23-acre site is located along the South River in Anne Arundel County near Annapolis. When London Town was founded as the county seat in 1683, the 100-acre town was a central transportation hub in the Chesapeake region, as it was strategically located on the major north-south route along the Atlantic seaboard. Its popularity lasted about 100 years, but diminished due to a change in trade routes.

Today the only historic structure that remains is the William Brown House, a large Georgian-style house overlooking the South River. The house, built in 1760, was originally an upscale tavern and later served as the county's almshouse from 1828 to 1965. In 1970 it was registered as a National Historic Landmark. The William Brown House offers guided tours during the week or self-guided tours with costumed interpreters on weekends.

In addition to the William Brown House, a few recreated buildings in the historic area include the "Carpenter's Shop," which was reconstructed in the same archeological footprint as the town's original carpenter shop. The building contains tools carpenters would have used during colonial times, and items they would have created.

Visitors to the site can learn more about the town's history on a bottom floor exhibit at the Visitor Center, which includes original artifacts that were uncovered by the Anne Arundel County Archeological Lab.

The gardens at London Town began in the 1960s as a cooperative venture among local garden clubs, county officials and the University of Maryland. The Woodlawn Garden features garden "rooms" with extensive collections of magnolias, camellias, rhododendrons and more.

The Ornamental Gardens is best known for its large collection of peonies. Summer flowers include daylilies, hydrangeas and roses. In the fall, asters, mums and salvias are in bloom.

In the "Lord Mayor's Tenement and Kitchen Garden," located in the historic area, visitors can learn what colonists would have grown for food, like Swiss chard, collards and fennel.



(Clockwise from top left)

The William Brown House was originally built in 1760 as a tavern house, then later served as Anne Arundel County's almshouse from 1828 to 1965. In 1970 it was designated as a registered National Historic Landmark; Plenty of Rhododendrons, "True Treasure" flowers, are located in the Woodlawn Garden; This painting located in the Visitor's Center, shows what London Town would have looked like during its heyday; Museum volunteer Verne Oland shows visitors flax, a fiber crop used to make linens during the colonial period.

According to Rachel Rabinowitz, visitor services coordinator, about 6,000 people visit the site each year.

"I like to say coming here is like taking a trip through time," she said.

Children will enjoy dressing up in colonial period costumes in the William Brown House, and exploring the outdoor "Sound and Sensory Garden," with musical instruments and discovery tables, she added.

Throughout the year, the museum hosts several living history events. The largest is the "Shore Party." Held June 18 and 19, this annual event celebrates the town's heritage as a prominent seaport in colonial Maryland, and features

recreated 18th-century boats and various other activities led by costumed interpreters.

Another big draw is the free summer concert series held in the ornamental gardens overlooking the South River on Sunday afternoons in July. This family-friendly event features local music of different styles and genres. Food and beverages are available to purchase during this event, and donations are accepted.

About the Historic London Town and Gardens

Historic London Town and Gardens is located at 839 Londontown Road,

Edgewater, MD 21037. March through November the museum is open Wednesday-Saturday 10 a.m. to 4:30 p.m. and Sunday, noon to 4:30 p.m.

December through March, the site is open Monday-Friday 10 a.m. to 4 p.m., with no guided tours. Leashed dogs are welcome in all areas except the William Brown House.

Historic London Town and Garden participates in the Blue Star Museum program, which offers free admission to Soldiers and their immediate family members during the summer months. For more information visit www.historiclondontown.org or call 410-222-1919.

Black bears sightings in Harford County are rare

Bears usually not aggressive, will move west toward more desirable habitat

APG DPW Environmental Division

Historically, black bears were found in all of Maryland's counties. However, as settlers cleared the landscape for agriculture, industry and timber production most of Maryland's suitable black bear habitat was lost. By the mid-20th century, black bears could only be found in the rugged mountainous areas in western Maryland. In 1972, the black bear was designated a state endangered species in Maryland.

The future of Maryland's black bear population has improved dramatically and it is no longer listed as a state endangered species. Bear numbers have steadily increased in western Maryland due to improving habitat conditions and conservation efforts in Maryland and its surrounding states. As the black bear population has increased, sightings in central Maryland have become more frequent.

In Harford County, black bear sightings are uncommon and most occur during the months of June and July when young, solitary bears (most often young males) are striking out on their own and travelling considerable distances in search of a suitable home territory to call their own. These young bears are transient and will find their way to more desirable bear habitats in western Maryland, Pennsylvania, West Virginia and Virginia.

Black bears are usually black in color, but can be found in a variety of color phases including brown, cinnamon and even blonde. Adult bears typically weigh between 125 and 400 pounds.

They are about 3 feet high at the shoulders, and approximately 6 feet long from nose to tail while standing on all fours. Black bears have a keen sense of smell, but their eyesight is somewhat average (about the same as humans). As a result, black bears are sometimes observed standing upright on their hind legs to get more information from their senses of smell, sight and hearing. It is a sign of curiosity, not aggression.

Black bears typically breed beginning in late May through June and into July. One female will give birth to a litter of 1 – 5 cubs during the winter months while most her time is spent in a winter den. Females typically produce one litter every other year. The cubs will stay in a family group with their mother for approximately 18 months, after which they will strike out on their own to find their own territory. Male black bears are largely solitary and do not assist with rearing the cubs.

Black bears are omnivores which means they eat a wide variety of foods including plants, roots, nuts, berries, other fruits, insects, reptiles, amphibians, mammals, fish, trash, birdseed and carrion. Bears tend to be opportunistic feeders and will follow their nose to any easily accessible food source. This tendency, combined with proximity to agricultural or suburban areas and humans, can lead to nuisance behavior as bears rummage through trash cans and compost piles, knock over bird feeders, destroy bee hives and pillage crops.

Black bears tend to be non-aggressive. When a black bear is threatened it usually runs from the perceived threat or goes up a tree. Wild bears are generally wary of humans but a bear that has become accustomed to being fed by humans either directly or indirectly may behave unpredictably and in many cases will require serious intervention. Human-habituated bears can create situations that are dangerous for both



humans and bears.

The best approach to avoiding negative interactions with black bears is to do your part to not attract bears in the first place.

Follow these tips to avoid attracting black bears to your neighborhood:

- NEVER intentionally feed bears or leave food out to lure them up close for that perfect photo. Bears that become accustomed to finding food near your home may become "problem" bears.
- DON'T leave pet food outside overnight.
- DON'T add meat or sweets (black bears particularly enjoy sweet pastries) to a compost pile.
- DON'T attempt to get a selfie with

a bear in the background

▪ DON'T overfill or stack garbage outside of the container. Be sure that the latches engage after closing the lid.

▪ DO eliminate food attractants by placing garbage cans inside a garage or shed. Add ammonia to trash to make it unpalatable. If curbside garbage pickup is provided, put your trash out on the morning it will be picked up.

▪ DO clean and store grills away after use.

▪ DO keep dogs on a leash. Unleashed dogs could cause a bear to feel threatened.

If you see a bear, enjoy it from a distance. Report bear sightings to the APG Police.

MORALE, WELFARE & RECREATION



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

Upcoming Activities

SAVE THE DATE SWIMMING POOLS NOW OPEN ON WEEKENDS

The Olympic Pool on APG North (Aberdeen) and the Bayside Pool on APG South (Edgewood) are open each Saturday and Sunday, 11:30 a.m. to 7 p.m.

Pool entry is free to active-duty service members and their families.

For more information about pool passes, daily entry and full summer hours, visit www.apgmwr.com.

ARMY/NAVY GAME TICKETS DEC. 10

While supplies last, MWR Leisure Travel Services has tickets to the Army vs. Navy game on Dec. 10 at the M&T Bank Stadium in Baltimore. Tickets are \$91 a person.

For more information, or to purchase tickets, call 410-278-4011/4907.

LEISURE & RECREATION ABERDEEN IRONBIRDS DISCOUNT TICKETS

Tickets are available for the following games:

- June 27 vs. Connecticut Tigers (affiliate of the Detroit Tigers)
- July 28 vs. Mahoning Valley (affiliate of the Cleveland Indians)
- Aug. 20 vs. Vermont Lake Monsters (affiliate of the Oakland Athletics) *post-game fireworks*

All games start at 7:05 p.m. at Ripkin Stadium in Aberdeen. Tickets are \$12 each for terrace box seats. Tickets are available until sold out.

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

CHILD & YOUTH SERVICES FAMILY MOVIE NIGHT JUNE 10

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

This family movie night will feature "Norm of the North" at the APG North recreation center starting at 6 p.m. The free event will include a craft and giveaways. Food and drinks will be available for purchase.

For more information, call 410-278-4011.

FAMILY MOVIE NIGHT JUNE 24

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

This family movie night will feature "Kung Fu Panda 3" at the APG South recreation center starting at 6 p.m. The free event will include a craft, giveaways, snacks and refreshments.

For more information, call 410-278-4011.

PARENT & CHILD KAYAK EXCURSION JUNE 25

2 - 3:30 p.m.
Spesutie Island Marina

Open to all eligible MWR patrons. Parent or guardian must be at least 18 years old. Cost is \$40. Registration required, deadline is three days before class. Five days prior to class, excursion must meet minimum participants to take place. For more information, or to register, call 410-278-4124/5789/2134/2135 or email usarmy.APG.imcom-fmwrc.list.usag-mwr-outdoorrec@mail.mil.

KIDZ ART SUMMER WORKSHOP JUNE 27-30

1-3 p.m.
Corvias Community Center

Age 5-12. This class will introduce students to a variety of mediums and methods including drawing, painting, and collage. Students will learn and practice basic skills to include color mixing, painting with artist paint brushes, drawing with pencil, marker pastel and more. At the end, there will be a presentation for parents of the artists. Cost is \$40.

For more information, contact Shirelle Womack at shirelle.j.womack.naf@mail.mil or call 410-278-4589.

KINDERJAM

KinderJam is a new, fun and exciting high-energy preschool learning program that emphasizes the kinesthetic learning of preschool concepts. Our classes are designed to enrich children from ages 1 to 5 years old (younger siblings are always welcome). KinderJam focuses on introducing and reinforcing basic preschool skills in a spirited manner that will capture and hold your little one's attention from beginning to end. For more info, log on to www.kinderjam.com.

One Free Trial class per child. Parents are required to attend.

Full class schedule coming soon.

Free trial ages: 1-5 yrs

For more information, contact shirelle.j.womack.naf@mail.mil or call 410-278-4589/3250.

ARMY COMMUNITY SERVICE REUNION/ REINTEGRATION TRAINING JUNE 9

1:30- 4:30 P.M.
Aberdeen Main Post Chapel,
Bldg 2485

Recently returned home from deployment? Learn strategies and resources to help navigate the reintegration phase of deployment and make the readjustment process go as smoothly as possible. Family members are invited to attend. For additional information, please call Army Community Service at 410-278-2180

RESUME & INTERVIEW TIPS JULY 6

11:30 A.M. TO 1:30 P.M.
Army Community Service, Bldg.
2503

Learn how to create a winning resume, as well as helpful tips to build your interview skills.

Registration is required. For more information, or to register, contact Marilyn Howard, ACS Employment Readiness Program Manager at 410-278-9669.

MULTICULTURAL SPOUSE GROUP POTLUCK JULY 13

11 a.m. to 1 p.m.
Corvias Community Center,
Bldg. 2658

Join Army Community Service (ACS) for the Multi-cultural Spouse Group! This is a great opportunity to meet friends, promote diversity, learn about resources on the installation and surrounding community, and have a good time! Bring a dish that represents your country to share with other spouses. Any spouse whether foreign born or not, is welcome to attend!

For more information or to register, please contact Sarah Polanco, Army Volunteer Corps Program Manager, sarah.polanco.civ@mail.mil, 410-278-2464.

SPORTS & RECREATION BINGO MONDAY & WEDNESDAYS

Doors open at 4 p.m.
APG Bowling Center

Session Bingo is now at the APG Bowling center Monday and Wednesday evenings. Doors open at 4 p.m. Early-bird games start at 5 p.m. with a cash pay-out of \$25 per game. The session

program begins at 6 p.m., consisting of 8 games paying out \$50 for each game. There will also be two nightly progressive jackpot games, the first paying out \$200, the second paying out \$500.

For more information, call 410-278-4041.

GREENS KEEPERS REVENGE JUNE 4

9 a.m.
Exton Golf Course
18 hole event. Cost is \$30 for annual patrons, \$35 for authorized patrons, \$40 for guests. Pre-register at the Exton Clubhouse.

For more information call 410-436-2213 or 410-436-2233.

KAYAK CLASSES JUNE 9 & 10

JULY 13 & 14
AUGUST 11 & 12
6 - 8:30 p.m.

Spesutie Island Marina

Cost is \$60 per person. Open to all eligible MWR patrons. Registration required, deadline is three days before class. Five days prior to class, excursion must meet minimum participants to take place. For more information, or to register, call 410-278-4124/5789/2134/2135 or email usarmy.APG.imcom-fmwrc.list.usag-mwr-outdoorrec@mail.mil.

KAYAK EXCURSIONS JUNE 25; 8 - 11 A.M.

JULY 29; 6 - 8:30 P.M.
AUGUST 27; 8 - 11 A.M.

Skippers Point

Cost is \$40 per person. Open to all eligible MWR patrons. Registration required, deadline is three days before class. Five days prior to class, excursion must meet minimum participants to take place. For more information, or to register, call 410-278-4124/5789/2134/2135 or email usarmy.APG.imcom-fmwrc.list.usag-mwr-outdoorrec@mail.mil.

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

APG Pools

Hours of Operation



May 28 - June 20
Weekends only
11:30am - 7pm

June 18 - Aug 22 - Daily
Mon-Fri 12:30pm - 7pm
Weekends 11:30am-7pm

Aug 22 - Sep 7
Weekends only
11:30am - 7pm

Pool Fees:
Active duty and immediate family members are FREE

Daily
Military Retirees & Immediate Family (5 & Under Free).....\$3
Reservists, National Guard, Civilian, Contractors & Immediate Family (5 & Under Free)\$5
Guests Accompanied by Eligible ID Card Holder (5 & Under \$3)\$7
*All patrons must provide valid Military or DOD ID Card to enter facility.

Pool Passes
Passes can be purchased at AA & EA Recreation Centers, Outdoor Recreation Service Center, Olympic and Bayside Pools locations during business hours or ONLINE.

Individual	30-Day	\$35	Seasonal	\$85
Family (Eligible Patron & Immediate Family Members)	30-Day	\$70	Seasonal	\$175

Lap Swim
Aberdeen Monday/ Wednesday/ Friday 6:30 am - 8 am
Edgewood Tuesday/ Friday 6:30 am - 8 am
Price \$4

For more information contact Outdoor Recreation Service Center Building 2184, Swan Creek Drive, or call 410-278-4124/5789/2134/2135. Operating Hours: Monday-Friday 9am - 5pm
www.apgmwr.com

Swim Lessons



Swim Lessons Fees
Youth Session..... \$50
Adult/Parent Toddler..... \$25
10% discount for additional family member
(not applicable for P/T and Adult Lessons)
Times vary depending on Level of participant

AA Youth Swim Lessons Schedule (Monday - Thursday, 8 sessions)
Session 1: June 6 - June 16
Session 2: July 11- July 21
Session 3: August 1- August 11

Parent/Toddler & Adult (Monday - Thursday, 4 sessions)
Session 1: June 20 - June 23
Session 2: July 25 - July 28
Session 3: August 15 - August 18

EA Youth Swim Lessons Schedule (Monday - Thursday, 8 sessions)
Session 1: June 20 - June 30
Session 2: July 11 - July 21
Session 3: August 1 - August 11

Swim lesson registration available at Outdoor Recreation Service Center, AA & EA Recreation Centers, Olympic and Bayside Pools locations during business hours or online through WEBTRAC with a USERNAME and PASSWORD from Outdoor Recreation.* Discount for multiple children does not apply if you register online.

For more information contact Outdoor Recreation Service Center Building 2184 Swan Creek Drive, 410-278-4124/5789/2134/2135
Operating Hours: Monday-Friday 9 a.m. - 5 p.m.
www.apgmwr.com



Drinking Water Quality Report

APG South (Edgewood) Calendar Year 2015

APG Directorate of Public Works

The Aberdeen Proving Ground Directorate of Public Works announces its annual drinking water

quality report for APG South (Edgewood) between Jan. 1, 2015 and Dec. 31, 2015.

Under the Consumer Confidence Report Rule of the Federal Safe Drinking Water Act, community water systems are required to report this water quality information to the consuming public. Presented in this report is information regarding the source of our water, its constituents and the health risks associated with any contaminants detected in quantities exceeding a drinking water regulatory maximum contaminant level, action level, or treatment technique.

How Can Impurities Get in the Water Supply?

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, which can occur naturally or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, which may occur from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production and can come from gas stations, urban storm water runoff, and septic systems.
- Radioactive contaminants, which can be naturally occurring or the result of oil and gas production and mining activities.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the U.S. Environmental Protection Agency Safe Drinking Water Hotline at 800-426-4791.

In order to ensure that tap water is safe to drink, the EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration regulations establish limits for bottled water, which must provide the same protection for public health.

Your Drinking Water Sources

The water provided to APG South customers comes from the Van Bibber water treatment plant in Edgewood, Maryland. Water is pumped from Winters Run (a sur-

face water source), treated at the Van Bibber plant and delivered to APG South customers. Maryland Department of Environment completed a source water assessment in 2005 for our source water. The study found that Winters Run, like many surface water sources in Maryland, is potentially most susceptible to non-point pollution from agricultural activities and urban stormwater runoff. The source water assessment report is available from MDE's Water Supply Program webpage under Source Water Protection (www.mde.state.md.us/programs/Water/Water_Supply).

Monitoring of Your Drinking Water

The APG South water system uses only EPA-approved laboratory methods to analyze your drinking water. Our personnel collect water samples from the distribution system and from the Van Bibber WTP. Samples are then brought to the accredited laboratory where a full spectrum of water quality analyses is performed. The results are reported to MDE. At APG South, we monitor for the contaminant groups listed in Table 1 using EPA-approved methods. Table 1 also lists the monitoring frequencies for these contaminant groups.

Definitions

Action Level (AL) - the concentration of a contaminant that, if exceeded, triggers treatment or other requirements that a water system must follow.

Maximum Contaminant Level (MCL) - the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLG as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) - the highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) - the level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Treatment Technique (TT) - a required process intended to reduce the level of a contaminant in drinking water.

APG South Water Quality Data

Table 2 lists only the contaminants detected in the APG South drinking water distribution system during calendar year 2015. We routinely monitor for a number of contaminants in the water supply to meet regulatory drinking water compliance requirements. Your drinking water has been analyzed for many other contaminants as well, but they were not detected in the APG South drinking water distribution system during 2015 or the most recent sampling period.

Additional Notes Regarding Your Drinking Water

If present, elevated levels of lead can cause serious health problems, especially for

pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at (800) 426-4791 or at <http://www.epa.gov/safewater/lead>.

Special Precautions: Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/Centers for Disease Control and Prevention guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791.

Discolored Water: Discolored water can be a common complaint in water distribution systems with aging water lines, such as APG South, and is usually due to iron and/or manganese particles being released from the pipes. Although it is aesthetically unpleasant, it is not harmful to drink. Disturbances in water lines can cause discolored water.

For example, if water crews have rerouted water to repair a water main or shutoff water lines in a nearby area, are conducting water main flushing, or there is increased usage from firefighting, this may cause a reddish/brown/yellow tinge to the water. If discolored water is evident, flush taps until the water is clear. Depending on the size of the building, this may be a lengthy flush (20 – 30 minutes).

Your Water Is Safe To Drink

As you can see by the tables in this report, some contaminants were detected in the water provided to you by APG. However, your tap water met all U.S. Environmental Protection Agency and state drinking water health standards during 2015.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly. You can do this by posting this notice

Acronym Guide

AL	Action Level
APG	Aberdeen Proving Ground
CCR	Consumer Confidence Report
EPA	Environmental Protection Agency
HAA5	Haloacetic acids (five)
MCL	Maximum contaminant level
MCLG	Maximum contaminant level goal
MDE	Maryland Department of the Environment
MRDL	Maximum residual disinfection level
MRDLG	Maximum residual disinfection level goal
N/A	Not applicable
ND	Not detected
NTU	Nephelometric Turbidity Unit
ppb	Parts per billion
ppm	Parts per million
TOC	Total organic compound
TT	Treatment technique
TTHM	Total trihalomethanes
WTP	Water treatment plant

in a public place or distributing copies by hand or mail.

Contact Information

Questions regarding the information contained in this report may be directed to the following:

- Richard Wiggins, Directorate of Public Works: 410-436-3808
- Kelly Luster, Public Affairs Office: 410-278-1147.

Table 1: Contaminant Groups & Monitoring Frequency on APG South

Contaminant Group	Monitoring Frequency
Disinfection By-Products (DBP)	Quarterly
DBP precursors and microorganisms	Monthly
Inorganic compounds	Once per year
Lead and copper	Once every 3 years
Turbidity	Daily
Radionuclides	Once every 3 years
Synthetic organic compounds	Twice per year
Volatile organic compounds	Once per year

TABLE 2: CONTAMINANTS DETECTED IN APG SOUTH DRINKING WATER DURING 2014

Substances We Detected (Units)	Your Water	What's Allowed? (MCL)	Violation?	Range Detected	What's the Goal? (MCLG)	Typical Source of Contaminant
Disinfectants and Disinfection By-Products						
TTHM (ppb) ¹	46	80	NO	15.2-57.1	N/A	By-product of drinking water chlorination
HAA5 (ppb) ¹	16	60	NO	11.7-24	N/A	By-product of drinking water chlorination
Chlorine (ppm) ²	1	4	NO	0-1	4	Water additive to control microbes
Inorganics						
Barium (ppm) ³	0.034	2	NO	N/A	2	Erosion of natural deposits
Fluoride (ppm) ³	0.1	4	NO	N/A	4	Water additive to promote strong teeth
Nitrate (ppm) ³	3	10	NO	N/A	10	Runoff from fertilizer use; natural deposits
Lead (ppb) ⁴	4	15 (AL)	NO	< 1-370 (1 sample >AL)	0	Corrosion of household plumbing systems
Copper (ppm) ⁴	0.16	1.3 (AL)	NO	0.0067-1.6 (1 sample >AL)	1.3	Corrosion of household plumbing systems
Total Organic Carbon ⁵	1.05	1.0	NO	0.82-1.52	N/A	Naturally present in the environment.
Turbidity						
Substances We Detected		Your Water	Whats Allowed	Violation	Typical Source of Contamination	
Highest Single Measurement		0.29 NTU	1 NTU	NO	Soil runoff	
Lowest monthly % meeting limit		100%	0.3 NTU	NO	Soil runoff	

1. The highest running annual average detected during 2015 is reported in the "Your Water" column and the range of individual results is presented in the "Range Detected" column.

2. Chlorine is added to our drinking water to control the presence of microorganisms. The standard by which compliance with chlorine levels is determined is called the Maximum Residual Disinfectant Level (MRDL). The MRDL is the highest level of a disinfectant allowed in drinking water. The highest running annual average is presented in the "Your Water" column with the range of detected concentrations presented in the "Range Detected" column. The Maximum Residual Disinfectant Level Goal (MRDLG) is the level of a drinking water disinfectant below which there is no known or expected risk to health.

3. The detected level of inorganic contaminants is presented in the "Your Water" column. The range of detected levels is not applicable (N/A) for the APG South System because inorganics are monitored once per year.

4. Compliance for these parameters is demonstrated by comparing the 90th percentile of results to the regulatory Action Level (AL) for each parameter. This 90th percentile value is reported to you in the "Your Water" column. This value represents the concentration that ninety percent of the sites (not values) were below during the most recent round of monitoring. The range of values detected is presented in the "Range Detected" column. Bldg E4670 had an elevated lead level of 370 ppb and an elevated copper level of 1.6 ppm (samples collected 11 August 2015). Following renovation of E4670 and replacement of the water lines, sample recollection on 18 November 2015 showed a lead level of non-detect and a copper level of 0.098 ppm.

5. The lowest running annual average detected during 2015 is reported in the "Your Water" column and the range of individual results is presented in the "Range Detected" column.

Leadership of ARL vehicle tech directorate transitions

By **DAVID MCNALLY**
ARL Public Affairs

The U.S. Army Research Laboratory Vehicle Technology Directorate underwent management changes May 28.

VTD Director Dr. Mark Valco announced that he plans to accept a position as a senior researcher at the ARL Propulsion Division Field Element at NASA Glenn Research Center in Cleveland, Ohio.

VTD conducts basic and applied research in the disciplines of vehicle propulsion, structures, mechanics, robotics and autonomy for the Army's manned-and-unmanned air and ground vehicle systems and supports the ARL Sciences for Maneuver Campaign.

"I have served as both the acting director and director for the past five-and-a-half years," Valco said. "It has been a great privilege and honor to lead this organization. We came to APG from Cleveland, Ohio, and Hampton, Virginia, through the base realignment and closure process."

ARL Director Dr. Thomas Russell informed the workforce Feb. 5.

"Dr. Valco was instrumental in standing up VTD at APG and making the transition as smooth as possible for VTD personnel," Russell wrote. "The laboratory has benefited greatly from his leadership as the director of VTD, and I wish him well in his new position. I personally consider this a win-win for ARL in that we get to retain Dr. Valco as a researcher and he gets a better quality of work-life balance being closer to his family."

The VTD staff gathered Feb. 1 at APG's Vehicle Technology Laboratory for camaraderie and food at the 2016 Chili Cook-off. An award ceremony preceded the event where Valco recognized outstanding performers. After the cook-off, he spoke with the workforce about his decision to step down.

"Dr. Russell has a management philosophy of constantly moving forward to



Photo by Conrad Johnson, RDECOM

The U.S. Army Research Laboratory's Dr. Mark Valco, left, briefs New Mexico Lt. Gov. John Sanchez during a March 24, 2016, tour of the Vehicle Technology Laboratory at Aberdeen Proving Ground, Maryland.

achieve the vision of being the 'Nation's Premier Laboratory for Land Forces.' To get there, management needs to change and adapt," he told the workforce. "With that in mind, I recognized that I was not going to be the VTD director forever. This is a voluntary action on my part that I view as an exciting opportunity on my career path. A different work-life balance is a key element. Work is important. Family is forever."

Valco said his family has strong ties to Ohio.

"Our granddaughter just turned 1 year old," he said.

He said more details regarding his farewell will be announced soon.

Valco has "specialized proficiency in computational modeling and analysis using nonlinear finite element methods particularly for mechanical power transfer systems such as gears, bearings, shafting, rotor dynamics, vibration, efficiency and power density," according to his biography.

ARL leadership announced that Lt.

Col. Keith S. Morgan, VTD military deputy and acting chief of the Propulsion Division, will temporarily act as director during the initial transition.

"I am still going to be a member of the team," he said. "I am excited to go back and do research again. I want you to understand that what you do every day is important for our Soldiers and the future Army. I'm looking forward to continuing to work with you in my new role and together we will 'discover, innovate and transition.'"

Army collaborates with industry for next-gen ceramics

Story and photos by **DAVID MCNALLY**
U.S. Army Research Laboratory

Army researchers are exploring options for the next generation of lightweight ceramics for dismounted Soldier protection.

Dr. Lionel Vargas-Gonzalez, U.S. Army Research Laboratory's Ceramic Systems team lead, hosted Anthony Nickens, vice president of Ceramatec Inc., at the Rodman Materials Research Laboratory to discuss the synthesis and processing of boron suboxide, or B₂O₃, a super-hard ceramic material.

According to an article in Applied Physics Letters, B₂O₃ has been of "considerable scientific interest in studies because it displays a range of outstanding physical and chemical properties, such as great hardness with low density, high thermal conductivity, and high chemical inertness."

B₂O₃ has generated a lot of interest and investment within the Army science and technology community, Vargas-Gonzalez said. The desired end state of the laboratory's Materials Research Campaign is to enable the Army of 2030 and beyond to succeed in distributed operations and increasingly complex environments through the realization of superior materials.

"B₂O₃ is one of several super-hard ceramic chemistries, which have shown potential toward meeting the Army needs for higher mass-efficiency," Vargas-Gonzalez said. "Investments in boron carbide (B₄C) and silicon carbide (SiC) have yielded exceptionally great Soldier protection systems for the Army."

Current Soldier armor systems work so well, Vargas-Gonzalez said, that developing new breakthroughs in ballistic performance and mass-efficiency have been "increasingly challenging for Army researchers."

"It leads us to explore new materials and new approaches, which are ultimately high risk, but could lead to huge payoff if successful," he said.

As Army researchers push toward unprecedented levels of ceramic armor performance, the focus has shifted from B₄C and SiC toward synthesis and processing science of novel super-hard ceramics, such as B₂O₃ and aluminum magnesium boride (AlMgB₁₄).

"These ceramic chemistries exhibit impressive hardness with low density, but have not been pursued for armor applications," Vargas-Gonzalez



(Left) Dr. Lionel Vargas-Gonzalez, U.S. Army Research Laboratory Ceramic Systems team lead, explores options for the next generation of lightweight ceramics for dismounted Soldier protection.

(Below) B₂O₃ has been of considerable scientific interest in studies because it displays a range of outstanding physical and chemical properties, such as great hardness with low density, high thermal conductivity, and high chemical inertness.

said. "One reason is due to the scarcity of source powders at commercial scale, leading to high costs. Another is the high level of difficulty in processing these materials into theoretically dense armor-grade plates."

Vargas-Gonzalez's research team – Drs. Jerry LaSalvia, James Campbell, Kristopher Behler, Clayton Weiss and Physicist Eugene Shanholtz – are developing solutions for the synthesis of high purity B₂O₃ powders and the processing science for densification of the powders into dense ceramics.

"These efforts have yielded a new approach for synthesis of B₂O₃, leading to an invention disclosure, and processing routes to enable theoretically-dense B₂O₃ coupons," he said. "These successes have generated high interest from Army stakeholders."

Both the Army and DOD Manufacturing Technology programs for Advanced Body Armor – Dr. Shawn Walsh – and from PEO Soldier – Dr. James Zheng – made key investments and commitments to drive industry exploration of B₂O₃ synthesis and processing, he said.

"ARL is leveraging the ManTech and PEO Soldier-funded efforts to further augment internal S&T, and to facilitate industrial collaboration for technology transition," Vargas-Gonzalez said.

Open Campus is a collaborative



endeavor, with the goal of building a science and technology ecosystem that will encourage groundbreaking advances in basic and applied research areas of relevance to the Army.

"ARL has had fruitful partnerships with Ceramatec, Inc., and its parent company, CoorsTek, Inc., on several previous joint S&T efforts," he said. "Ceramatec expressed an interest in collaboration with ARL. The goal of this meeting was to generate a path forward for transition of ARL-led boron suboxide synthesis to a larger scale with

an industry partner.

"Ceramatec has had a long history of successful transition from R&D to commercial, and brings a wealth of knowledge, expertise, and capability that will be crucial to developing a successful transition of our internal efforts to something that could potentially lead to the breakthroughs sought for dismounted Soldier protection."

The company invited Army researchers to its facilities in Salt Lake City, Utah to develop the strategy and path forward.

‘Cyber Blitz’ impacts today’s battle with real-time observations

Story and photo by
KRISTEN KUSHIYAMA
CERDEC

Nine months of planning a new way for the U.S. Army to assess cyber and electromagnetic activities, or CEMA, in a tactical environment culminated during a two-week long event at Joint Base McGuire-Dix-Lakehurst, New Jersey, at the end of April during which engineers challenged Soldiers in their brigade command post staff interactions to find better ways for the Army to operate in a modern threat environment.

The U.S. Army Materiel Command’s Communications-Electronics Research, Development and Engineering Center, or CERDEC, took the vision of the Cyber Center of Excellence’s Commanding General Maj. Gen. Stephan Fogarty, and brought together key assets from across the Army to its experimentation venue to look at elements of cyber and electromagnetic spectrum in an event called “Cyber Blitz: Converged Brigade Combat Team Main Command Post.”

“Cyber Blitz is a collaborative effort among CERDEC, the Training and Doctrine Command, Army Cyber Command, and the Assistant Secretary of the Army (Acquisition, Logistics and Technology) to demonstrate C4ISR capabilities that enable a converged Brigade Combat Team (BCT) Main Command Post,” said Matthew Picerno, CERDEC Space and Terrestrial Directorate, or S&TCD, Cyber Blitz project manager.

“We used a challenging, realistic scenario to observe and document operator and staff interactions, identify capability gaps, and inform cyber situational understanding metrics,” Picerno said.

The integration of kinetic and CEMA operations at the tactical level is new and somewhat uncharted; this effort was a first step in bringing together diverse organizations from across the Army to inform requirements, but more work is required, Picerno said.

The event consisted of three main groups of participants: CERDEC and industry scientists and engineers; the 2nd Infantry Brigade Combat Team, 25th Infantry Division from Hawaii supplemented by Soldiers from the 7th Signal Command’s Cyber Protection Brigade; and assessors from the Army Materiel Systems Analysis Activity, ARCYBER, CERDEC and TRADOC.

Cyber Blitz coupled CERDEC’s integrated modeling and simulation environment with its lab and field-based risk reduction processes to acquire direct feedback while working with Soldiers in a tactically-relevant setting. This provided CERDEC engineers, ASA(ALT) product managers and TRADOC capability managers a unique perspective compared to what they experience in everyday controlled environments, said Dr. Richard Wittstruck, CERDEC S&TCD associate directorate for field-based experimentation and integration.

“We really can’t do our job unless we understand our customers’ needs,” said Henry Muller, CERDEC director. “Our customers in this case are the Soldiers. I want them [CERDEC engineers and scientists] to get a feel for how Soldiers fight so they can take that back into our engineering and development environment and take a more focused approach to what the Soldiers need.

Opposition forces

A behind-the-scenes “opposition force,” or OPFOR, created integrated cyber, electromagnetic and kinetic threats that Soldiers had to consider when planning their courses of action.

“The OPFOR team was made up of technical, materiel and operations specialists and experts from across Army



Soldiers from the 25th Infantry Division out of Hawaii participated in the U.S. Army’s Cyber Blitz April 2016 at Joint Base McGuire-Dix-Lakehurst, New Jersey, Cyber Blitz provides the Army a venue to observe and assess cyber and electromagnetic activity-related interactions in a Tactical Command Post.

and industry who had to present a peer on peer engagement in a synthetic environment so that the Soldiers could operate within a tactical scheme of maneuver,” Wittstruck said.

The OPFOR provided real-time support to ensure the simulated enemy environment replicated real-world cyber, electromagnetic and kinetic threats that Soldiers will encounter in the current and near-term battlespace.

“Cyber Blitz is using science and technology (S&T) to get ahead of where we usually are when we would assume a problem, get the request and start building something,” John Willison, director, CERDEC Space and Terrestrial Communications Directorate. “CERDEC served as the lead for Cyber Blitz, which specifically focused on shaping CEMA doctrine, force design, and requirements and on identifying capability gaps that exist to inform future S&T investment.”

Orchestrating scenarios as well as getting systems that the Defense Information Systems Agency and Army have fielded or will field in the near future enabled Soldiers to experience, get their hands on, and provide feedback regarding BCT integrated CEMA staff processes as well as materiel and science and technology efforts that affect those processes.

Soldiers such as Maj. Robert Braley, Electronic Warfare Officer for the 25th Infantry Division, used next-gen-

erations technologies during Cyber Blitz and was able to provide feedback to system developers.

“In the electronic warfare community we really don’t have [program of record] assets yet, so I was excited to actually get to use some of the stuff we hear about and maybe got to see a slide on, but didn’t know if it was just pie in the sky,” said Braley.

“I am optimistic, but obviously we gave them lots of feedback, the engineers or the FSRs [field support representatives] that were there. They were very open, they wanted to hear all that. They were very enthusiastic,” Braley said.

In addition to engineers and scientists gaining valuable insights during Cyber Blitz, the experimentation setup of the event also provided some of the Soldiers with a new outlook on their job.

“This experiment realized that we were able to see the necessity of our information we gathered off of our sensors and supply that information to the Cyber team of the CEMA team.

The commander needs the information I have, finally feeling there is relevance to the work we have and not just making sure the comms are up,” said Chief Warrant Officer 4 Kimberly Oliver, Senior Information Protection Technician for the 25th Infantry Division, a cyber-defense technician whose team also consisted of cyber network defenders.

“We are defending the network. We

are ensuring that those that are in front of us – those Soldiers on the frontline – depend on us just as much as they depend on air support and ground support and supply. What we do as Signal support, it’s important to the commander... It’s more than ensuring the network is protected, it’s about protecting the lives of those at the front line,” Oliver said.

Assessment

An assessment team of about 40 assessors documented observations and feedback from Soldiers about their experiences and interactions such as those Oliver experienced.

The information from the event will inform TRADOC’s potential recommendations for how the Army should incorporate cyber and electromagnetic activities in a tactical operations center.

“From an S&T perspective, we are looking at providing [Soldiers] with the right applications in that common environment in order to make sure the technology is given to the Soldiers to perform their jobs more efficiently and more effectively,” said Kristy Luna, CERDEC Ground Activity assessment design officer and senior engineer.

The assessment team has started to upload many of their observations into the Joint Lessons Learned Information System, a central repository accessible across government organizations for the purpose of information and knowledge sharing. AMSAA is analyzing networked data messages sent between BCT staff elements during Cyber Blitz in order to inform on findings, BCT CEMA staff procedures, and integration of these procedures into BCT current operations staff processes.

“The information we are bringing isn’t going to someone’s email or someone’s inbox, or someone’s shared drive. We are actually doing real-time observations that can go to the fighting forces, and we can affect the battle today,” said Jacob Neal, from the Cyber Center of Excellence’s Lessons and Best Practices. The Army will use lessons learned during Cyber Blitz to inform this summer’s Cyber Quest at Fort Gordon, Georgia as well as future Cyber Blitz events.

“We really can’t do our job unless we understand our customers’ needs. Our customers in this case are the Soldiers. I want them [CERDEC engineers and scientists] to get a feel for how Soldiers fight so they can take that back into our engineering and development environment and take a more focused approach to what the Soldiers need.

Henry Muller
CERDEC Director



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.

THIS WEEK IN APG HISTORY

APG News

www.apgnews.apg.army.mil

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

March 26, 2009 Vol. 53, No. 12

Take a look back in time as the APG News explores what made the headlines around APG during this week 10, 25 and 50 years ago. This week's APG News masthead is from 2009.

By YVONNE JOHNSON, APG News

2015

10 Years Ago: June 1, 2006



(Left) Sgt. Amanda Graves of the 22nd Chemical Battalion is awarded the Army Commendation Medal by her commander, Lt. Col. Patrick Terrell, for helping to save the life of a 15-year-old boy found unconscious on an icy road in Edgewood.

(Below) Garrison Commander, Col. John T. Wright, center, holds a \$146,000 check displaying the amount volunteers saved the installation during the Volunteer Recognition Ceremony at Top of the Bay.



2010

2000

25 Years Ago: June 5, 1991



(Left) The Ballistic Research Laboratory is credited with providing unprecedented armor protection to the M1A1 Abrams main battle tank that led to decisive victories by U.S. armored forces in Iraq and Kuwait during Operation Desert Storm.

1990

1980

(Right) An F-4 Phantom which first flew during the Vietnam War arrives at Phillips Army Airfield on its final journey before being made a static display at the Ordnance Center and School's U.S. Air Force Detachment.



1970

50 Years Ago: June 2, 1966



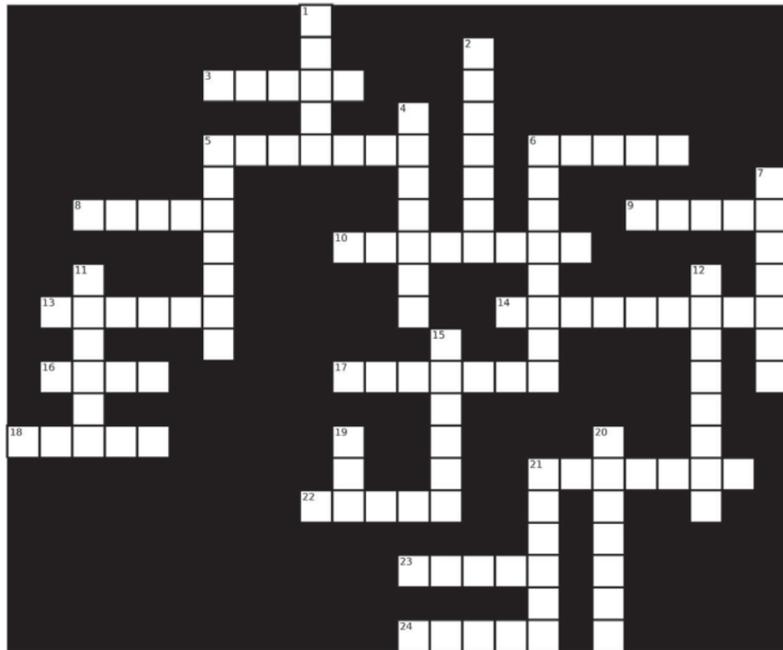
(Above) As future Army and Navy officers check out the vehicle, from left, Brig. Gen. John R. Jannarone, dean of the U.S. Military Academy at West Point; Maj. Gen. Leland G. Cagwin, commander of the U.S. Army Test and Evaluation Command; Capt. A.H. McCain of the U.S. Naval Academy weapons department; and Brig. Gen. Richard P. Scott, USMA commandant of cadets discuss the experimental XM729 Armored Assault Vehicle.

(Below) APG Deputy Commander Col. George C. Clowes, right, presents checks of APG contributions totaling \$35,364 to Mrs. H. Riall Jackson of the Federal Service Joint Crusade, center, and Paul H. Neff of the National Health Agencies of the State of Maryland.

1960

1950





The APG Crossword

African-American Music Appreciation Month

By **RACHEL PONDER**, APG News

June is designated as African-American Music Appreciation Month, a time to celebrate the important contributions of black musicians, composers, singers and songwriters.

Across

- Singer, songwriter and civil rights activist Nina Simone had a hit in 1958 with "I Love You, _____."
- In 1986, pop singer Anita Baker rose to stardom with this platinum-selling album.
- Nicknamed "The Empress of the Blues," she was the most popular female blues singer of the 1920s and 1930s.
- Beyoncé rose to fame in the late 1990s, as the lead singer of the R&B girl-group Destiny's _____.
- This jazz and pop singer is

- known for hits like "Stormy Weather," "Honeysuckle Rose" and "Can't Help Lovin' Dat Man."
- Al Green is known for a series of soul hit singles in the 1970s including his signature song, "Let's Stay _____." He was inducted into the Rock and Roll Hall of Fame in 1995.
 - David _____ was the lead voice on hits songs like "My Girl" and "Ain't Too Proud to Beg."
 - James Brown, a singer, songwriter and record producer was often referred to as "_____ of Soul."

- In 1985, Whitney Houston released "How Will I _____." The accompanying video gave her world-wide exposure on MTV.
- Her hit songs include "God Bless the Child," "Summertime" and "Come Rain or Come Shine."
- He is considered one of the pioneers of rock and roll music. Popular songs include "Maybellene," "Roll Over Beethoven" and "Johnny B. Goode."
- Nicknamed "The High Priest of Soul," he became one of the first African-American musicians to be granted artistic control by a mainstream record company.
- Hit songs like "Respect," "(You Make Me Feel Like) A Natural Woman" and "Think" helped Aretha Franklin earn her title as the "_____ of Soul."
- Rapper and entrepreneur Jay Z has sold more than 100 million records and has received 21 Grammy Awards. His debut studio album "Reasonable _____," was released in 1996.
- This singer rose to fame with the release of his second studio album, "My Way."

- "One in a Million," and "Are You That _____?"
- Although his mainstream career only spanned four years, he is regarded as one of the most influential electric guitarists in the history of popular music.
 - The 1984 hit "What's _____ Got to Do with It" is by this woman.
 - This Michael Jackson album, released in 1982, remained at the top of the Billboard 200 album chart for thirty-seven weeks, setting a record for the longest run at number one by a studio album.
 - Mariah Carey wrote her first single, "_____ of Love," when she was 17.
 - Prince's 1978 debut studio album "For _____."
 - He is best known from his former work as a judge on "American Idol" and executive producer for MTV's "America's Best Dance Crew."
 - First U.S. president to declare June "Black Music Month."

Down

- 1962 hit by Sam Cooke, "Twistin' the _____ Away."
- Louis Armstrong, one of the most influential figures in jazz music, sang and played this instrument:
- "Rapper's _____" a song recorded in 1979 by The Sugarhill Gang is generally considered to be the song that first popularized hip hop in U.S. and around the world. It was preserved into the National Recording Registry by the Library of Congress in 2011.
- "(Sittin' on) The Dock of the Bay" became this man's first and only number 1 hit in 1968.
- Aaliyah's hit songs include

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

Solution to the May 19 puzzle



WORD OF THE WEEK

Octothorpe

Pronounced: äk-t-thrp
Part of speech: Noun

Definition:

Another term for the symbol # (the hash sign or pound sign)
According to merriam-webster.com, stories abound about who first called the # sign an "octothorpe" or "octothorp." Most claim the "octo-" part refers to the eight points on the symbol, but the "thorpe" remains a mystery. One story links it to a 1960s telephone company employee who happened to burp while talking about the symbol with co-workers. Another relates it to the athlete Jim Thorpe, and a third claims it derives from an Old English word for "village."

By **YVONNE JOHNSON**, APG News

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

ACRONYM OF THE WEEK

FPS

Federal Protective Service

The Federal Protective Service protects federal facilities, their occupants, and visitors. The security police division of the National Protection and Programs Directorate of the U.S. Department of Homeland Security, FPS is "the federal agency charged with protecting and delivering integrated law enforcement and security services to facilities owned or leased by the General Services Administration"—over 9,000 buildings—and their occupants."

L. Eric Patterson was appointed Director of the Federal Protective Service in September 2010.



By **YVONNE JOHNSON**, APG News
Source(s): www.wikipedia.org; www.dhs.gov

APG South cut-off dates set for 2016 procurement requests

ACC-APG, Edgewood Contract Division

The Army Contracting Command – Aberdeen Proving Ground, Edgewood Contracting Division, known as ECD, has issued the following guidance for the Fiscal Year 2016 cutoff dates for submission of purchase requests for those customers receiving contract support through ECD.

Advance planning in identifying and submitting PRs on or before the published cutoff dates greatly enhances the ability of the ECD to meet customer needs.

The peak processing time for most contracting offices is between July 1 and September 30 of each fiscal year. "Last year ECD processed 339 procurement actions valued at approximately \$70.1M during the July through September time period," said Jason VanLuven, Chief of the ECD Policy Office. "We experienced a slow start in receiving the distribution of customer funding this fiscal year. As a result, we anticipate that the number of actions will significantly increase during this year's 4th Quarter to compensate for the slow start. Thus, it is extremely important that customers be as diligent as possible in clearly identifying their needs as early in the cycle as possible," said Mr. VanLuven.

Maintaining adequate resources continues to be a challenge for the contracts team and customers therefore it is equally as important to submit complete procurement packages. Mr. VanLuven said, "Incomplete and inaccurate acquisition packages delay the process and create inefficiency and significant delay in achieving the end result. It is essential that early and upfront coordination with the appropriate Contracting Officer takes place. This will allow ECD to ensure that each purchase request package contains the necessary documentation and approvals so as to avoid untimely delays in the processing of awards while maximizing the use of available customer dollars."

Mr. VanLuven stressed that customers should ensure that all procurement requests processed through GFEBs contains the necessary information in the description. Identifying the Branch Chief as well as the Contracting Officer on the GFEBs document (if known) will aid in routing the actions to the correct contract team as quickly as possible for processing. "Purchase requests for actions that are not GFEBs enabled must continue to be submitted electronically to ECD using the SHARED MAILBOX: usarmy.apg.acc.mbx.edgewood-contracting-division@mail.mil," said Mr. VanLuven.

tracting-division@mail.mil," said Mr. VanLuven.

APG South cut-off dates

Notwithstanding any prior approved milestones, the cutoff dates for all procurement requests are as follows:

- All actions that require a justification and approval (J&A) document - May 2
- Noncommercial items over \$150,000 – May 27*
- Services over \$150,000 – May 27*
- Commercial items less than \$6.5 million – May 27
- Delivery orders and task orders under existing contracts – June 2
- GSA schedule procurements – June 2
- Short-of-Award actions – May 27**

* There may be instances where this date may not be adequate for complex actions. These actions must be coordinated with the appropriate Branch Chief prior to this date for determination of acceptance.

** Customers submitting "short-of-award" Requirements must consider the probability of funds materializing in a timely manner. If it is not likely and the action not urgent, consider that time spent processing these actions may be better utilized on funded actions.

"ECD will make every effort to accommodate customers whose procurement packages must be submitted after the established cut-off dates," said VanLuven. "However, in that event the contracting office cannot guarantee that the award will be processed prior to September 30."

Edgewood Contracting Division points of contact

For more information, contact:

- Chief, Edgewood Contracting Division: Debra R. Abbruzzese at debra.r.abbruzzese.civ@mail.mil 410-436-2554;
- Ted Kunzogs, Branch A (ECBC, ACWA & CMA Customers) at theodore.m.kunzogs.civ@mail.mil 410-436-2449;
- Eric Braerman, Branch B (JPEO-CBD Customers) at eric.w.braerman.civ@mail.mil 410-436-4469; or
- Michael Velez, Branch C (JPEO-CBD Customers) at michael.a.velez32.civ@mail.mil 410-436-8446

Army encourages Soldiers to get smart on motorcycle culture

U.S. Army Criminal Investigation Command

On the first anniversary of a biker shoot-out that made national headlines and killed nine at a restaurant in Waco, Texas, the U.S. Army Criminal Investigation Command, or CID, encourages Soldiers and family members to fully educate themselves on motorcycle culture and clubs - especially if they are contemplating becoming a member.

According to the U.S. Army Combat Readiness Center's "Motorcycle Safety Guide," more than 33,000 motorcycles are currently registered on Army installations. The popularity of the low-cost mode of transportation heightens the need for motorcycle owners and their families to be aware, both on and off the road, of the motorcycle culture that brings riders together.

Riders often come together in a "club-type atmosphere" where they want to socialize, support each other and ride together. These clubs have their own patches, rules and protocol and can become an extension of one's family. It is said that 99 percent of those who ride and belong to motorcycle clubs are law abiding enthusiasts.

The other one percent of riders, however, make up the lawless subculture made popular by television shows such as the "Sons of Anarchy." That one percent, called Outlaw Motorcycle Gangs, or OMGs, may be using motorcycle events or functions as a criminal enterprise and as an opportunity to recruit law-abiding members of the military.

Soldiers and their families, especially those who ride, need to be aware of the OMGs in their area.

"Many service members, civilian employees and family members attend

CID Lookout On Point for the Army

functions that are designed for motorcycle riders and the brotherhood of the biker subculture," Joe Ethridge, chief of CID's Criminal Intelligence Division, said.

"Outlaw Motorcycle Gang members will attend these functions as well. It is well documented that OMGs and support clubs recruit military members into their ranks," Ethridge added.

To understand if motorcycle enthusiasts are OMG members, Soldiers, civilian employees and family members should do their research and be aware of the patches and logos they wear.

"An OMG member, while wearing his garb, can be easily identified to the trained eye," Ethridge said.

The most recognizable symbol of OMGs are a "1%" diamond patch, or ring, that is worn. Often, OMG members have this tattoo as well. OMG members also identify by wearing vests or "cuts," other OMG-related tattoos, white supremacist or Nazi symbols, and other symbols that are specific to their gang.

Additionally, Ethridge said, OMG members will sell supporter t-shirts and other paraphernalia to help support criminal legal defense funds when a member is in need.

"The best thing service members

and their families can do is watch and read the news and be aware of OMG actions in their area," Ethridge said.

He stressed that Soldiers should not consider membership or acquaint themselves with OMG members.

In fact, as stated in Department of Defense Instruction 1325.06, "military personnel must reject active participation in criminal gangs and other organizations that advocate supremacist, extremist, or criminal gang doctrine, ideology, or causes."

Further, Army Regulation 600-20 states that commanders may prohibit military personnel from engaging in or participating in any activities that the commander determines will adversely affect good order and discipline or morale within the command. Commanders have the authority to use UCMJ action, involuntary separation, reclassification actions, bar reenlistment actions and other administrative or disciplinary actions, if necessary.

In any case of apparent Soldier involvement with or in gangs or extremist organizations or activities, whether or not they violate the prohibitions in AR 600-20, commanders must take positive actions to educate Soldiers, putting them on notice of the potential adverse effects.

"To avoid potential adverse effects,

Soldiers looking for a club to join should consider one of the Army's Motorcycle Mentorship clubs, which brings together Soldiers across the country," Ethridge said.

The Army's Motorcycle Mentorship Program was established in 2005 to create installation-level motorcycle clubs for less-experienced and seasoned riders. For more information, or to find a club, visit the U.S. Army Combat Readiness Center's at <https://safety.army.mil>.

Service members can find OMG and other gang-related information from the National Gang Center website, <https://www.nationalgangcenter.gov>. The Gang-Related News Articles section, <https://www.nationalgangcenter.gov/Gang-Related-News>, allows users to search by state.

Soldiers, civilian employees and family member should also consider the following recommendations:

- Do not associate with the OMG clubs or support clubs
- It is against DoD and Army Regulations to associate with a known criminal gang or club
- Do not become an unwitting supporter by purchasing shirts or other gear
- Do not frequent establishments that support OMG clubs or members
- Do not participate in OMG sanctioned functions such as poker runs, rallies or cook offs and related activities
- Educate yourself, your troops, friends and family
- Briefings on OMGs, street gangs and extremist can be provided upon request. To find the CID office nearest you, visit www.cid.army.mil.

Observance celebrates ancestry, traditions and contributions

Continued from Page 1

Build Legacies'.

ATEC Command Sgt. Maj. Andrew B. Connette began the observance by welcoming the audience and thanking them for their attendance.

"I've had a great honor of serving alongside many Asian Americans and Pacific Islanders through my career and have always admired their culture and the values they bring," said Connette. "They simply inspire me to be a better person."

The Master of Ceremonies, Mohammad Rahman, division chief at the U.S. Army Evaluation Center, explained the importance of APG's annual observance.

"We are celebrating traditions, ancestry, native language, and unique experiences represented among more than 56 ethnic groups, speaking over 100 languages from Asian and Pacific Islands who live here in the United States."

Rahman, of Bangladesian descent, said Asian Americans and Pacific Islanders continue to make outstanding contributions in the sciences, education, arts and sports.

"These million achievements have added to the success and prosperity of our country, but most notable, are our Asian Americans and Pacific Islanders who have courage to answer and continue to answer the call to defend our freedom as members of our military and civilian workforce," Rahman said.

ATEC's Equal Employment Opportunity Manager and Sexual Harassment and Assault Response and Prevention Specialist, Jody Jackson, and Pacific Edge's November Jackson and Salofi Jackson presented a slideshow on Liberty and Freedom for All, that recognized a few "every day heroes" within the Department of Defense.

Luong is one of those "every day heroes."

APG Garrison Commander Col. James Davis welcomed Luong and thanked him and his family for their service and attendance at the observance.



Photo by Molly Blossie, APG News

Guest Speaker Brig. Gen. Viet X. Luong, Director, Joint and Integration Office of the Deputy Chief of Staff, spoke of moving to America with this family when he was young, what it means to be Asian American and stories of those he fought beside and lost in battle.

"As a young boy, Gen. Luong aspired to be in the military and those aspirations have taken him a long way," Davis said. "As a U.S. Army brigadier general, he is the first U.S. Army general officer of Vietnamese descent."

Luong shared personal stories to include struggles and challenges that he and his family faced over the years and how they overcame them to become the people they are today. "Our success was predicated by many factors... but truly rested on a single

fact and that's being American."

"Being American means that you were afforded the opportunity to embrace the wondrous privileges given to us by a constitution and realize an immense dream," said Luong. "These stories only happen in America... and I'm an American by choice, not by birth and I chose to serve our great nation."

Luong recalled stories from his time in the service and spoke about some of the brave Soldiers he served with over the years.

"The first thing I ask you [audience] to walk away with is while it's important to celebrate these ethnic observances and embrace diversity and all the great things that go along with, it's also important to love our nation and our ideas above all else," said Luong. "The second thing is to continue to take good care of our men and our women, our most precious resources."

Luong thanked the audience for attending the observance. "I'm proud to be Vietnamese and Asian American, but I'm also proud to be an American."

An educational dance was performed by Pacific Edge to educate the audience on the Samoan arts and culture. The Samoan culture is unique in the sense that the songs and dances depict who they are in the eyes of the world.

During closing remarks, ATEC Commanding General Maj. Gen. Daniel L. Karbler briefly spoke about his experiences in the Asian Pacific Region.

"When I was in Samoa for four days, I was exposed to a culture of family, beauty, and traditions," Karbler said. "Had I not had that opportunity, I would have never known the Samoan contributions to our Asian Pacific heritage."

Karbler presented Luong with a gift on behalf of Team APG, thanking him for participating in the observance.

After the closing remarks, audience members were encouraged to join in an ethnic food tasting and take in visual displays.

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."

Tribute honors those who ‘served but never came home’

Continued from Page 1

killed in the service of the nation, adding that they share a special heritage and a common bond with today's Soldiers.

“If you would look into their lives, whether privates or captains or DA civilians, you would see they practiced the same Army values,” he said. “These were ordinary men and women who rose to meet seemingly impossible odds and did extraordinary things.”

He added that it is equally important to remember the families and friends of “those who served but never came home,” and invited listeners to walk among the cemetery graves, read the names and “remember the service, the sacrifice, the families and the legacy of freedom which they represent.”

“Thank you for being here today to help celebrate the lives and legacies of those we have lost and to tell the stories of the Soldiers of battlefields and decades past, so the Soldiers of yesterday and today are never forgotten by the children of tomorrow,” he said.

The program included the posting of colors by the 20th CBRNE Command color guard and a firing salute by the unit firing squad. Local Boy Scouts assisted with the laying of wreaths. Chaplain Lt. Col. Bart Herndon of the 20th CBRNE Command presented the invocation and benediction and 1st Lt. Katharine L. Fitzpatrick gave opening remarks. In addition, the U.S. Army Field Band from Fort Meade provided patriotic music.

Guests remained at the program's end to take in the tranquil cemetery nestled beneath tall pine trees.



Ron Zwicke of the Army Test and Evaluation Command's Army Evaluation Center, left, and his wife Teodora, gaze at the graves of Soldiers and family members in the Edgewood Arsenal Cemetery after the Memorial Day Tribute on APG South (Edgewood), May 30.

“The program was so amazing,” said Teodora Zwicke, the wife of APG civilian Ron Zwicke, a mathematician with the U.S. Army Test and Evaluation Command's Army Evaluation Center. “It made you cry, and it sent the message that we need to remember every year, no matter what,” she said.

Also the deputy grand knight of the Knights of Columbus Corpus Christi Council #6188, Ron Zwicke recalled how

the council “kept the ceremony going for 20 years” before the Army took it over.”

“We continue to lay a wreath every year due to our long standing relationship with the proving ground,” he said. “There's a lot of history here, beyond this cemetery, and we're glad to be a part of it.”

Former APG Garrison deputy Tim McNamara also attended the ceremony. He said he is compelled to take the time,

each year to pay his respects.

“This is about people who gave their lives for the freedom we have today,” he said. “It doesn't take much time, just an hour or so, to observe and remember their sacrifices.”

In the community

APG had a presence at Memorial Day observances across the local community.

Following the on-post tribute, King attended the Bel Air Memorial Day ceremony and served as keynote speaker. King reminded attendees that Memorial Day is more than a three day weekend marking the beginning of summer. He said that the dignity and courage of those who have served in the U.S. Armed Forces has not changed since the nation's founding.

APG Garrison Commander Col. James E. Davis led the parade in Elkton as grand marshal.

Maj. Gen. Daniel Karbler, commander of the Army Test and Evaluation Command, served as guest speaker at the annual ceremony at Veterans Park in downtown Aberdeen. Karbler discussed the sacrifices of Gold Star families and the grief they carry after their loved one made the ultimate sacrifice in the line of duty.

Maj. Gen. Kirk F. Vollmecke, program executive officer for intelligence, electronic warfare and sensors, attended the Memorial Day Observance in Perryville hosted by the American Legion Post 135.

Soldiers from the 20th CBRNE Command also attended the Memorial Day Ceremony at the Maryland Korean War Memorial in Baltimore.

Bingo offers digital and live play for Team APG

Continued from Page 1

He said he hopes to grow the program and possibly offer a weekend session. “We hope to offer more jackpots in the future,” he said.

Customers can play session bingo two ways, Burdette said. They can play with a portable tablet called the “Champion II,” an electronic machine that allows patrons to easily play multiple cards at once, or they can play the traditional way, by marking their bingo cards with a dauber.

“[Bingo] has really come full circle, from where it used to be,” he said. “Now it is electronic and you have the ability to play more cards.”

Bingo players praised the new program.

Tammy Knox with the Civilian Personnel Advisory Center, and her son Brenden Humphrey, played during a recent Wednesday session.

“I am glad bingo is here at APG, it is closer [than other bingo halls] and my son enjoys it,” Knox said. “It is something that we can do together.”

Staff Sgt. Marissa Kinder, with the Army Contracting Command-APG, said she plans to be a bingo regular.

“I love bingo and I like to support post programs,” she said. “Bingo has evolved into something bigger; it is game different age groups can enjoy. I am new [to APG] so it is also a way for me to meet new people. Bingo can be a very social activity.”

Pat Brown, the spouse of a military retiree, said she is supporting the

new program by bringing her friends to games.

“I am trying to spread the word,” she said. “I like that it is convenient and comfortable. I hope that more people participate.”

24 Number Bingo

Champion II tablets are also available for customers to play 24 Number Bingo any time the bowling center is open. Players can purchase credits at the bowling center cash register and then select the number of cards to play and the amount of credit to give each card for each game. Winning cards are determined from the 24 numbers that are randomly picked every week at the bowling center. At any time, a customer can “cash out” at the cash register.

Burdette said because the game is quick, he predicts that it will gain in popularity during lunch time.

“We [staff members] are there to help walk you through how to work these machines,” he said.

Bingo is held in the bowling center party rooms, and is open to all Morale, Welfare and Recreation-eligible customers and their guests ages 18 and older. Early-bird games begin at 6 p.m., with a cash pay-out of \$25. Session bingo starts 7 p.m. and is \$10 for a pack of paper bingo cards, with additional costs for electronic and jackpot games. The Strike Force Café and the bowling lanes are open during early-bird and session bingo. For more information call 410-278-4041.



(Above) APG Bowling Center manager Richard Burdette demonstrates the “Champion II,” an electronic tablet used to play 24 Number Bingo. This game allows customers to play bingo at their own convenience, whenever the bowling center is open. The tablet is also used during session bingo. Session bingo is now offered Monday and Wednesday evenings at the APG Bowling Center; (Right) New flat screen monitors display the numbers have been called during a bingo game.



DID YOU KNOW ?

Did you know planning for Operation Overlord began in earnest in 1943 after Gen. Dwight D Eisenhower was made Supreme Commander, Allied Expeditionary Force, or SCAEF.

British Gen. Bernard Montgomery, hero of the Eighth Army in North Africa, was put in charge of the ground troops. Here are more D-Day trivia facts from the perspective of America's strongest ally, Great Britain.

In the summer of 1943 an early copy of the plans blew out of a window in Norfolk House, London. A man who was passing by handed them in, saying his sight was too bad to read them.

About 3,200 reconnaissance missions to take photos of vital locations were launched in the run-up to the invasion.

There were to be five landing zones along a 50-mile stretch of coast. The Americans would attack at Utah and Omaha, the British at Gold and Sword and Canadian troops at Juno.

D-Day was originally set for June 5 but had to be postponed for 24 hours because of bad weather.

On April 28, 1944 off Slapton Sands in Devon, 946 American servicemen were killed when German torpedo boats sank a convoy of ships involved in a D-Day dress rehearsal.

A phantom army of dummy camps, planes and tanks was constructed in Kent and Essex to deceive Germans into thinking the invasion would be at Calais, France.

Known by the British code name Garbo, this Spanish-born double agent plied the Germans with misinformation that led them to believe the Normandy landings were just a ruse.

High command thought a successful landing would cost 10,000 dead and 30,000 wounded – 30,000 stretchers and 60,000 blankets were issued.

New gadgets designed for D-Day included a “swimming tank” and a flame throwing tank called “the crocodile.” There were even collapsible motorbikes.

Condoms were issued to Soldiers – most were used for covering the end of their rifles to keep them dry.

The night before the landings nervous Prime Minister Winston Churchill said to his wife: “Do you realize that by the time you wake up in the morning 20,000 men may have been killed?”

On the eve of battle, Eisenhower told troops: “You are about to embark upon a great crusade, toward which we have striven these many months. The eyes of the world are upon you.”

Eisenhower also wrote a draft statement in case the landings failed which read: “I have withdrawn the troops... If any blame or fault attaches to the attempt it is mine alone.”

The naval operation, codenamed Operation Neptune, involved an armada of 6,939 vessels including 4,126 landing craft – the largest single day amphibious invasion of all time. On June 5 they assembled at a point known as Piccadilly Circus off the Isle of Wight.

From 11 p.m. on June 5 some 24,000 airborne troops were delivered behind the German lines to secure important roads and bridges. Along with more than 2,000 aircraft, 867 gliders were used. Dummy paratroopers were also dropped to help convince the Germans that the real landings would take place elsewhere.

The first British casualty on D-Day was Lt. “Den” Brotheridge, shot in the neck shortly after landing in France in a glider at 12:16 a.m. His unit was tasked with taking the crucial target of Pegasus Bridge, an objective that was achieved.

Many paratroopers were dropped in the wrong place including U.S. Pvt. John Steele, whose parachute famously became snagged on the church steeple at Sainte-Mère- Eglise. He was trapped for two hours before being taken prisoner.

At 3 a.m., 1,900 Allied bombers attacked German lines. A staggering seven million pounds of bombs were dropped that day and 10,521 combat aircraft flew a total of 15,000 sorties, with 113 lost.

A naval bombardment from seven battleships, 18 cruisers, and 43 destroyers began at 5 a.m. and went on until 6:25 a.m. Midget submarines, called X-boats, lay submerged in the sea off the coast of France, surfacing on the morning of D-Day to guide in the invading craft using beacons.

The flat-bottomed landing craft were originally designed to rescue flood victims on the Mississippi river.

US troops went ashore on the landing beaches at 6:31 a.m., followed an hour later by the British and Canadians on their beaches. There were 61,715 British troops, 21,400 Canadian soldiers and 73,000 Americans.

Defenses on the beaches included concrete gun emplacements, wooden stakes, mines, anti-tank obstacles, barbed wire and booby traps. Around 50,000 German troops opposed the landing forces.

The heaviest losses were on Omaha beach where U.S. forces suffered 2,000 casualties. Canadian forces met heavy resistance on Juno. In the first hour the chance of becoming a casualty was one in two.

The newly-developed drug penicillin went with troops on D-Day and saved thousands of lives.

Actor Richard Todd, who starred in “The Longest Day,” a 1962 film about D-Day, as Maj. John Howard, was involved in the real landings as an officer in the 7th Parachute Battalion.

James Doohan, who would go on to find fame as Scotty in “Star Trek,” was a lieutenant in the Royal Canadian Artillery on D-Day and lost a finger during the fray.

The stunning Omaha Beach scene in the 1998 movie Saving Private Ryan, starring Tom Hanks, cost 7 million British pounds to film and used 1,000 extras.

By YVONNE JOHNSON, APG News

Source(s): www.express.co.uk/news/uk/479676/40-amazing-D-Day-facts

APG SNAPSHOT

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

Honoring the fallen on Memorial Day



Team APG hosted its annual Memorial Day Tribute at the Edgewood Arsenal Cemetery on APG South (Edgewood), May 30.

(Above) Local scouts view the headstones and flag display at the Edgewood Arsenal Cemetery on APG South following the Memorial Day Tribute; (Right) The 20th CBRNE color guard posts the colors during the Memorial Day Tribute on APG South.

Photos by Maj. Ryan McDonald, 20th CBRNE Command



(Above) ATEC Commander Maj. Gen. Daniel L. Karbler delivers remarks to attendees during the Memorial Day Observance at Veterans Park in Aberdeen, May 30. Karbler spoke of the sacrifice of Gold Star families.

Photo by Courtney Gilbert, ATEC

(Left) Maj. Gen. Daniel L. Karbler, ATEC commanding general, and David Heredia, 1st Vice of American Legion Post 128, stand at attention after placing a wreath honoring veterans of the past and future in front of the Veteran's Memorial during the Aberdeen Memorial Day Observance ceremony at the Veteran's Memorial Park in Aberdeen, May 30.

Photo by Dan Augustyniak, ATEC



Col Marty Muchow, deputy commander for operations, 20th CBRNE (Chemical, Biological, Radiological, Nuclear, Explosives) Command, places a wreath during the Memorial Day Ceremony at the Korean War Memorial in Baltimore, May 30.

Photo by Staff Sgt. Angel D. Martinez, 20th CBRNE Command