

Table of Contents

Garrison Commander's Message	3
Spring into resources that fit your needs	4-5
Harford County Chamber of Commerce	6
Army honoring survivors of the fallen	7
CECOM IUID team makes its mark	8
Army seeks partners for tech advances	9
RDECOM Salutes STEM Hero: Dr. Young	10
Small business conference empowers women	11
STEM Visionary Awards honor APG efforts	12
Army scientists inspire local students	13
Organizations and Missions	14-31

THE  AEGIS

Chamber
of
Commerce
Harford County



APG NEWS

Editorial content in this guide is prepared, edited and approved by the APG Public Affairs Office. The civilian printer, The Baltimore Sun Media Group, is responsible for commercial advertising.

Questions or comments should be sent to APG Public Affairs Office, Bldg. 305, ATTN: IMNE-APG-PA (Editor), APG, MD 21005-5001, call the editor at 410-278-7274, send a fax to 410-278-2570, or e-mail patricia.g.beauchamp.civ@mail.mil.

Staff

<i>Acting APG Senior Commander</i>	<i>Col. Charles Gibson</i>
<i>APG Garrison Commander</i>	<i>Col. Gregory R. McClinton</i>
<i>Public Affairs Officer</i>	<i>Kelly Luster</i>
<i>APG News Editor</i>	<i>Pat Beauchamp</i>
<i>Assistant Editor</i>	<i>Yvonne Johnson</i>
<i>Contract Photojournalists</i>	<i>Rachel Ponder</i>
.....	<i>Deborah Ince</i>
<i>Graphic Designer/Web Designer</i>	<i>Molly Blossie</i>
<i>Web site</i>	<i>www.apgnews.apg.army.mil</i>

Soldiers keeping the Army Strong!

May is one of the best months of the year. It is a time to celebrate!

We celebrate one of the most patriotic holidays in the history of this great nation, Memorial Day. On this day, we pause to remember the great men and women of this country who gave their lives for our freedom. I encourage each of you to follow the Memorial Day tradition and attend a parade, or in your own way show well deserved respect to the Soldiers, Sailors, Airmen and Marines that paid the ultimate sacrifice in defense of our great nation. Give honor to all service members who still wear the uniform today. It is because of their dedicated service that we as Americans are blessed with freedom and democracy.

On May 17th we will celebrate Armed Forces Day and salute members of all Armed Services and the Families that support them. They may be called upon at a moment's notice to perform perilous missions for our freedom and country. They are trained, both physically and mentally, to overcome any obstacle and succeed at any mission they face. Without hesitation, they travel to wherever help is needed for as long as they are required to be there. Their jobs are to help those who cannot help themselves. They provide a blanket of freedom under which each of us sleeps at night.

Servicemen and women of today's military share a kindred spirit -- love of country, love of freedom, and the willingness to sacrifice. Just as our country can't exist without its Armed Forces, our Army can't exist without its Soldiers! General George S. Patton said, "The Soldier is the Army." That fundamen-



“Just as our country can't exist without its Army, our Army can't exist without its Soldiers.”

tal truth will never change. Today, we expand on General Patton's quote when we state "the strength of our nation is our Army; the strength of our Army is our Soldiers; the strength of our Soldiers is our Families." As we celebrate during the month of May, we must stop and remember our Soldiers still serving in harm's way. We must stand behind them and support them. They defend our country and respond in support of emergencies around the globe, in accordance with the oath they swore to uphold without seeking acclaim.

Remember and honor our Veterans by going out of your way to show your appreciation for their sacrifices. Take a minute to shake a hand and say thanks for their service in support of the freedom we so enjoy every day and the strength they have allowed our Armed Forces to sustain through their service.

For Team APG, Army Strong goes beyond physical endurance and mental preparedness. It is the unconquerable spirit, strength, and high ethical and moral values we find and seek to instill in

every employee, in and out of uniform, across our installation. Being Ready and Resilient will ensure we are all ready when called to support and defend.

This month-long celebration culminates with the 239th Army Birthday. It is astounding to think, the Army as we know it, was nothing more than a concept 239 years ago. When our nation's leaders established the Conti-

mental Army, it began a rich heritage of successfully defending this great nation. On this day, we celebrate the continued honor, loyalty and bravery of those serving in this noble calling --the profession of being a Soldier. God Bless America.

Army Strong!

Col. Gregory R. McClinton

*Commander, U.S. Army Garrison,
Aberdeen Proving Ground*

Visit APG online

www.teamapg.com

facebook.com/APGMd

twitter.com/USAGAPG

flickr.com/photos/usagapg/



Spring into resources that fit your needs

By **KAREN HOLT**
CSSC

Ahh, spring! The renaissance. A time for rebirth and new beginnings! Sometimes trying new things may be risky or even scary to venture into uncharted waters. But what if there were resources to help you every step of the way? When it comes to starting your own business or pursuing an entrepreneurial venture, Harford County offers the tools and support to help you reach your personal and professional goals and chart a path toward success. These resources are closer than you think, won't break your budget, and may even put you in contact with colleagues, clients and other like-minded people to collaborate on common goals.

Harford's Business Edge, formerly "Entrepreneurs Edge," offers a collection of resources designed to promote economic gardening by connecting potential and active entrepre-

neurs with the resources needed to take an idea from concept to reality. The effort is led by the Office of Economic Development in partnership with the Harford County Public Library, Harford County Chamber of Commerce, Harford Community College, Harford Business Innovation Center, GroundFloor at Harford, and the Maryland Small Business Technology Development Center. The partnership is a comprehensive business network providing local entrepreneurs access to information, training, counseling and peer-to-peer relationships needed to establish and grow a successful business. From writing business plans, loan management and marketing, to Smart Starting Your Business and utilizing demographic tools to build your client base, these resources are available to help you launch that business idea you always dreamed about but never knew quite where to start. To

learn more, contact the Harford County Office of Economic Development at www.harfordbusiness.org and click on the Harford's Business Edge icon to sign up for more resource information.



HBIC

The Harford Business Innovation Center (HBIC) is a business incubator for technology. Located at the Riverside Business Park in Belcamp, this 9,000 square-foot facility is convenient to Aberdeen Proving Ground's APG North (Aberdeen) and APG South (Edgewood) areas.

Designed to attract and assist technology-driven entrepreneurs and early-stage companies, the HBIC also serves an immediate need by providing short-term space to technology and defense-related contractor landing parties. Since opening in 2010, the HBIC has provided space to 14 companies. Today the HBIC offers the critical combination of customized business support services in a highly-flexible, furnished office space environment where business can prosper.

Business support programs held at HBIC include marketing strategies, certifications, and registrations, proposal and bid assistance, as well as pre- and post-bid awards. More recently, HBIC has added resident tech transfer consultant, Blake Sajonia, to help navigate engineering and technology aspects for business developers and explore funding opportunities for commercialization. Small business liaison, Al Henry, will guide small business owners through their growth process. For more information, call 410-306-6144.

GroundFloor at Harford

What does your workspace say about you? If you're looking for an urban feel with lounge space, workstations, Wi-Fi and a professional conference room, let the GroundFloor at Harford say it for you! Whether you're a one-person shop, got an idea for an app or a widget, or maybe looking to leap from a home-based work environment, the GroundFloor at Harford offers groundbreaking co-lab workspace for startups and entrepreneurs. Let the GroundFloor at Harford make your statement; it's a great place to get started.

The GroundFloor at Harford is located at 2021 Pulaski Highway in Havre de Grace with a gym and a coffeehouse close by. Unlimited membership offers 24/7 access and participation in a series of programs and workshops. Recent tech sessions included an introduction to cloud computing and email marketing best practices for small businesses. Watch for upcoming sessions on mobile app design and social media strategy. For more information, stop by the site for a personal tour or visit www.groundfloorharford.com.



Harford First

Are you, a spouse, or is someone you know looking for a flexible and challenging employment opportunity? Harford First is a new program offered by the county to help grow manufacturing and the workforce. Its tagline, "Harford County has a job for everyone," sprang from a list of reasons for looking into working in Harford County for a world-class manufacturing or distribution company. Here are just a few:

- The new workplace is not your grandfather's factory. Our companies are high tech, clean, and open to new ideas and new people.
- 'Not sure I want to go to college.' You can obtain real world experience working in industry that will provide a great platform for you in the future.
- 'College is expensive.' Yes it is,



and some companies will help with those costs; you need to check it out!

▪ ‘I want to go to college part time and work part time.’ No problem. We have companies that will work with your schedule- our distribution facilities hired large numbers of employees during the holiday season. Other companies are willing to work with you to find a shift that works with your schedule. But you have to talk to them and ask the question.

▪ ‘I don’t want to do those kinds of jobs. ‘Would you like to make spices, operate a robot, or make a part that is on the Mars Rover? Those are the kind of jobs being done every day in Harford County!’

Visit the website at www.harford-business.org for a complete listing of Harford County companies. Check out their websites and contact information. They are waiting for you to make the move to a great career, paycheck, and skills that you can use the rest of your life!

Start your new beginning and take advantage of these resources that can lead to new opportunities!

Save the Dates!

MAY

May 15: Military Appreciation Luncheon, hosted by the Harford County Chamber of Commerce Military Affairs Committee. Featured speaker, retired USMC Brig. Gen. Mike Hayes, Richlin Ballroom, 11 a.m. to 1 p.m., www.harfordchamber.org.

May 19: Maryland Military Installa-

tion Council (MMIC) Meeting, Maryland Dept. of Community Housing, One Community Place, Crownsville, Md.

May 20: CECOM Assumption of Command Ceremony, welcoming Brig. Gen. Bruce T. Crawford to Aberdeen Proving Ground.

JUNE

June 4: Association of Defense Communities (ADC) 2014 National Summit, Marriott Crystal Gateway, Arlington, Va., www.defensecommunities.org

June 5: Soldier Show, hosted by APG Family & Morale, Welfare and Recreation, Post Theatre, APG, 7 pm.

June 6: AFCEA Aberdeen Chapter Golf Tournament, Ruggles Golf Course, 11 a.m. shotgun start, proceeds benefit STEM scholarships, www.afcea-aberdeen.org

June 9: Army Alliance Annual Dinner, Waters Edge Events Center, featured keynote speaker from Foreign Policy Institute, www.armyalliance.org

AUGUST

Save the Date!

AUSA Aberdeen Chapter Warrior Support Golf Outing

Aug. 14, Ruggles Golf Course, www.ausa-aberdeen.org

SEPTEMBER

Tragedy Assistance Program for Survivors (TAPS)

Sept. 18, 2014 Ruggles Golf Course, Chesapeake Support Our Heroes Gala to benefit Fisher House

Sept. 27, Waters Edge Events Center, www.chesapeakeheroes.com

MD 22:On the road to improvement

By **STEVEN OVERBAY**

CSSC

In the near future, travelers along MD 22 will see major intersection improvements beginning at Old Post Road and Beards Hill Road. Construction schedules will be set to allow for through traffic; however, APG employees may want to consider utilizing alternate routes throughout the construction period. Additional home demolitions will continue on MD 22 and Paradise Road in order to make space for a future intersection improvement beginning summer 2015.

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



Visit us online at

www.teamapg.com



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."

Harford County Chamber of Commerce supports military and civilian workforce at APG

The Harford County Chamber of Commerce wishes to extend our thanks and honor the dedicated military community and civilian workforce of Aberdeen Proving Ground (APG).

Since its founding in 1976, the Chamber has recognized and supported our military community, and we are proud to continue this tradition.

As we reflect on the past 37 years of our Military Appreciation Week celebration, we are indebted to our veterans and appreciative of the essential role APG has played in our nation's military defense and provision of cutting-edge technology since 1917. We are pleased to honor APG at our annual Military Appreciation Luncheon on



Klahr

Chamber
of
Commerce
Harford County

May 15, 2014 and will once again recognize the Soldier of the Year, Non-Commissioned Officer (NCO) of the Year and the Family of the Year. The Harford County Chamber of Commerce is grateful to be a part of honoring the U.S. Army's oldest active proving ground, and we appreciate the sacrifice of the fighters, families and personnel who truly embody the spirit of "land of the free, home of the brave." As appreciative civilians and on behalf of the business community, we thank you for your service.

Pamela Klahr

President and CEO, Harford County Chamber of Commerce

HC3 Military Affairs Committee

The Harford County Chamber of Commerce Military Affairs Committee is proud to host the 37th Annual Military Appreciation Luncheon. Our mission is to demonstrate Harford County businesses' commitment to improving the quality of life for our active and retired military in the Aberdeen Proving Ground community through resource referral, program recognition and services promotion. The committee meets monthly at Battelle and is comprised of Harford Chamber members from defense industries, financial institutions, private small businesses and local municipalities who all have one goal in mind: fostering a quality living environment for our military and their families. Are you interested in getting involved? Contact the Harford County Chamber of Commerce at 410-838-2020 or info@harfordchamber.org. We look forward to hearing from you!

Army honoring survivors of the fallen

By **WILLIAM BRADNER**
IMCOM

The Army recently announced that it will release three public service announcements over the next year to increase awareness of Department of Defense-issued Gold Star and Next-of-Kin lapel pins.

Fox Sports aired the first PSA on Feb. 2, in the half-hour before kick-off of Super Bowl XLVIII between the Seattle Seahawks and the Denver Broncos.

The lapel pins are designed to signify the loss of a loved one in support of the defense of our nation. Although the Gold Star pins have been in existence for decades, many Americans are unfamiliar with their meaning. The PSAs were developed to help educate and inform the public of the significance of the pins.

"It's heartbreaking to think that a

mom wearing a Gold Star might have someone ask her, 'What a beautiful pin -- where do I get one?'" said Donna Engeman, a Gold Star wife who manages the Survivor Outreach Services program for the Army. "We decided we had to do something to ensure the nation -- the world -- recognizes what that pin really signifies."

Though the Gold Star and Next-of-Kin lapel pins are a DoD program, the Army's Installation Management Command, or IMCOM, has taken on the mission of educating the public. This year, Gen. Raymond T. Odierno,



File photo
Army public service announcements aim to educate Americans about the Gold Star. (left) and Next-of-Kin (right) lapel pins.

no, Chief of Staff of the Army, directed IMCOM to develop a campaign to inform Americans of the significance of this symbolic Gold Star pin.

"We're committed to our survivors," said Lt. Gen. Michael Ferriter, former IMCOM commander. "We owe it to them to

ensure they get the support and service they deserve for as long as they need it.

"Educating the public on the meaning behind the Gold Star pins is simply another way to reaffirm to our Survivors that we understand and honor the sacrifices they've made for our country."

The PSAs consist of documen-

tary-style interviews and narrative stories from real Survivors who volunteered to be a part of the project. The voiceovers were provided by Academy award-nominated actor Gary Sinise, best known for his work in the films "Forrest Gump," "George Wallace" and "Truman."

"We tried to ensure the PSAs reflected the diversity of surviving families as well as honoring their service and sacrifice," said Hal Snyder, chief of IMCOM's Wounded and Fallen Support Services office. "The PSAs include moms and dads, brothers and sisters, children, husbands, wives. ... the point is, you might see a Gold Star pin on just about anyone," Snyder said, "and we wanted to make sure everyone knows what that pin represents."

The PSAs also serve to remind the American public that the freedom they enjoy comes at a cost, he added.

CECOM IUID team makes its mark

By
PAMELA LEIGH

Systematic attention to detail is a patient man's game; agonizingly slow, but imperative to the overarching mission of the U.S. Army Communications - Electronics Command Item Unique Identification (IUID) office, helmed by Team Lead Jacob Dozier Jr.

It's how everyday business is conducted.

Dozier and his team provide support to local commanders by providing training on tasks like unit level marking. Recently, the 20th CBRNE Command (Chemical, Biological, Radiological, Nuclear, Explosive) contacted the team for assistance with unit level marking after Headquarters, Department of the Army (HQDA) mandated that all equipment unmarked prior to 2004, known as legacy equipment, must be marked and entered into the Department of Defense (DoD) IUID registry by 2015.

According to Dozier, equipment

manufactured for the DoD after 2004 is automatically IUID marked and scanned into the registry. Every time the equipment receives maintenance, it is entered into the system as a lifecycle event. This allows each piece of equipment to be individually tracked and monitored until it is retired and removed from the system. Unfortunately, while still functional, legacy equipment may not possess the required IUID marking.

In turn, DA tasked the U.S. Army Materiel Command to develop unit-level marking in an effort to ensure all inventoried items are marked and entered into the registry.

For commanders with warehouses stacked floor to ceiling with IUID equipment, this could be a daunting task. However, the expertise of Dozier's team and the methodology of their attack seemingly reduces the enormity of the challenge.

The team's intent is to train the unit how to properly conduct these oper-

ations. In one scenario, they train the Soldiers about data cleansing; the process of figuring out what's already been marked, what hasn't and whether it matches the property book.

"We start by going through the unit's property book," said Dozier. "That's what the unit has to go by and everything that's on that list they have to actually mark. Some of it may already be marked, but they need to annotate that they are."

The night vision goggles in question are methodically placed on six-foot tables and CECOM's IUID Team begins the data-cleansing process. Using a magnifying glass to assist, Roxanna Brown-Mello, the IUID coordinator, reads off each individual bar code to Brian Breitigan, a logistics management specialist, who enters and later scans them in the system. Team members Nathaniel Robinson, a logistics management specialist and Ryan Adams, the team's logistics data

specialist, uniformly repack the goggles after each entry. Throughout the process, Dozier instructs and guides the 20th CBRNE Command Soldiers through the process before integrating them into the operation. After an hour, the IUID team has stepped back from the table and assumed a mentoring role for the remainder of the training. The Soldiers continue the assembly line operation, pausing sporadically to ask questions about conflicting information in the registry.

"It's not a difficult process, it's just systematic," said Dozier. "This isn't the type of work that you want to have to go back and redo. So it's about providing a commander with the best mechanism to conduct the unit level marking in a timely and efficient manner."

Dozier and his team provide IUID unit level marking training and support to commands at both APG North (Aberdeen) and APG South (Edgewood) operations.



File photo

Specialist Marcus Matthews, unit supply specialist, 20th CBRNE Command, reads information from a set of night vision goggles to Brian Breitigan, Communications- Electronics Command's Item Unique Identification (IUID) Team. The CECOM IUID Team recently provided unit level marking training to 20th CBRNE Command Soldiers and civilians.

Army seeks partners for tech advances

By **DALE A. ORMOND**

The U.S. Army Research, Development and Engineering Command depends on partnerships to develop world-class technology and engineering solutions. Our mission is only achievable if we continue to reach out and build partnerships across all of our core competencies.

Partnering with America's automakers, for example, gives us tremendous opportunities to leverage their technology development while contributing to the industry knowledge base.

Also, we partner with the University of Michigan and Michigan State to help develop the next generation of automotive engineers who are working on our most challenging problems.

All of this gives us direct engagement with leading edge of technology.

The engineers at our aviation and missile center collaborate with NASA scientists on areas of mutual interest

such as logistics, engineering, safety, quality and assurance. We face many of the same issues, and when we share best practices with each other, both organizations benefit.

U.S. Army Research, Development and Engineering Command, or RDECOM scientists also perform basic research support for many Defense Advanced Research Projects Agency, or DARPA projects.

Working with visionary partners like DARPA enables us to better support our other partners, for example in our growing partnership with the Special Operations Command.

The U.S. Special Operations Command, or SOCOM, has turned to our organization to provide unique solutions in the area of lighter batteries, more flexible and stronger body armor, enhanced situational awareness, secure communications and increased lethality.

That means as we create new ideas, capabilities and technologies for special operations forces, we can present new capabilities to the general force.

The importance of these partnerships only increases as budgets decrease. We must leverage the work of others as it only makes sense to maximize our access to the intellectual capability, capacity and capital of our partners to fill the gaps.

And, we are exploring new ideas to get more people with ideas together to come up with more innovative solutions. Our Army Chief of Staff, Gen. Raymond T. Odierno, has called for a globally responsive and regionally engaged Army that is ready and modern. The vision is for smaller brigade combat teams by 2025 with the same or increased lethality. The chief is relying on the S&T community to provide technologies that can be developed and fielded to meet that time line. We are an

integral team member.

I have every confidence that our proactive approach to partnering combined with the creative RDECOM workforce, we can do what the Army needs us to do -- with fewer resources. That's what

we're all about: enabling Soldiers to execute their mission in an increasingly complex and contested battlefield. To be a ready and modern Army, the Army research and development community will step up, innovate and deliver ground-breaking solutions. I am confident that RDECOM, with our partners, will accomplish this task.

Editor's Note: Dale Ormond is the director of the U.S. Army Research, Development and Engineering Command.



RDECOM Salutes STEM Hero: Dr. Young

By **DENNIS NEAL**
RDECOM Public Affairs

The U.S. Army Research, Development and Engineering Command will recognize employees who go above and beyond in support of science, technology, engineering and mathematics. For its first honoree, RDECOM salutes Dr. Sandra Young.

Young is a materials engineer with RDECOM's Army Research Laboratory. She has a bachelor's degree in chemistry and her doctorate in polymer science and engineering. She has worked for the Army for 14 years and has been involved with STEM outreach for just as long.

When did you first become interested in science?

My mom is a chemist, and she has a master's degree in analytical chemistry, so I heard about science from a very young age. In high school I remember you fill out those evaluations -- what you want to do in the future -- and I always had said I wanted to be an engineer. I remember going to DePaul, where I did my undergrad in chemistry. Everybody has classes that are particularly hard and you kind of push through it but it was actually being in a lab and doing an internship that had the biggest impact on keeping myself on-track to go into engineering. So I got my bachelor's degree in chemistry but then ended up going on to get my Ph.D. in polymer science and engineering.

How did you end up where you are today?

When I was in graduate school, one of the grants that we had was from the Army Research Office. So, in effect, I am a product of Army education outreach. One of the people who came and gave a talk was from the Army Research Lab, Dr. Nora Beck Tan. I was pretty close to getting done at the time and she encouraged me to come up and give a talk and to consider doing a post-doc and that's pretty much how I ended up here.

Science, technology, engineering and mathematics,

known as STEM, has really become a buzzword, why is STEM so important?

STEM is really important not only in our DOD community but in the country. There are numerous professions that have to do with science, technology, engineering and math, but also a lot of the products that come out on the market. We live in a pretty high-tech society, so having people have a basic understanding of different STEM subjects is pretty important even if it's at a very rudimentary level. We really try to encourage people to get a very basic understanding of critical thinking skills and of STEM technologies so they can make educated decisions.

Why did you get involved with STEM?

I've been involved in the American Chemical Society for many years, and they have pretty strong STEM education outreach and community activities. And it was really fun interacting with the students. So part of it was just starting out as 'hey, this is kind of fun.' You get to interact with students. You get to learn from them because when you have to teach somebody else something, you never know what kind of questions they're going to ask. You have to do a really broad sense of research on the topic even if it's for third-, fourth-, fifth-graders. So it started off as just this kind of fun, side thing that we did and it kind of evolved into getting a lot of people in the community involved.

How many years have you been involved with STEM and how many volunteer hours do you think you have put in?

I couldn't tell you the number of hours. That's something a colleague of mine, Dr. Rose Pesce-Rodriguez, and I joke about. We've done things on the weekends, we've done things on holidays, we're at library events, you're always doing something related to STEM. I've been doing this since 1999, so it's a long time now. I couldn't even tell you the number of hours.



Dr. Sandra Young works with students from Baltimore County during a session at the STEM and Education Outreach Center at Aberdeen Proving Ground, Md. The students were attending a session at the STEM and Education Outreach Center at Aberdeen Proving Ground, Md. Young is a materials engineer with the U.S. Army Research Laboratory.
File photo

You think about how you got where you are today and, inevitably, it has to do with mentoring. And so when you mentor students, you not only learn a lot, they learn a lot and you influence their future. And that's very meaningful. People want to have meaning in their careers and make sure it's not just doing something that maybe is 20 or 30 years off from seeing a realization. And this has direct impact so it really is a fun thing.

You were instrumental in establishing the STEM and Education Outreach Center on Aberdeen Proving Ground. How did the idea of the facility come about?

We kind of talked about it for the last five or six years. We had programs that operated during the summers where we bring students in through GEMS, Gains in the Education of Math and Science, for a week-long program but over several weeks in the summer. There were a number of issues that came up with regards to doing that.

You have to escort the students at all times, making sure there is nothing that the students shouldn't see in the labs, make sure they're in a decent lab space, a lot of things. I was working in labs with explosives and propellants. Even with the small quantities we're dealing with, you don't want the students around certain materials.

We wanted to have space where we could bring students where there were real lab working spaces that were ultimately the safest place for students to be that aren't mimicking the stuff they have at their schools.

I think it was brought up in a meeting in 2011 when we first started talking about, if you could have anything you want, what would it be? And we talked about a facility and the idea kind of spun off after that.

Is there anything that you would like to add?

I think probably the biggest thing that we try to encourage here with bringing in students is that STEM is accessible to everyone. I think that's important to communicate. We're not trying to just make this for the kids who are supposedly 4.0, your perfect-grade students, because I've known a lot of people who have perfect grades and you get them in a lab and they're not creative. They're just very formulaic because they know how to follow a lab but that doesn't mean that you're a great scientist per se. That means you're very good at remembering things and taking tests.

We are really trying to foster an environment where STEM is accessible to everybody, and we really want unconventional thinkers. I think encouraging the diversity of the sciences is going to be very important for that.

Small business conference empowers women



By **YVONNE JOHNSON**

APG News

Industry professionals recently shared advice and the special skills and knowledge associated with entrepreneurship during the Strategic Conference for Women Small Business Owners at Top of the Bay.

The Employment Readiness Program of Army Community Service hosted the event, one of the final programs marking Women's History Month, which drew more than 50 attendees.

Topics including the "5 Drivers Formula to Starting a Small Business," "Contracting with the Federal Government," "Exporting Your Business," and "Networking with Other Agencies," were presented by Michael Garrity from the Small Business Technology and Development Center; Andrew Kreinik, senior

business consultant with the Maryland Small Business & Technology Development Center, SBTDC; Claude Cable, a procurement contract representative from the Small Business Administration, SBA; and Norman Gaither and Bonnie Maliszewski. In addition, John O'Brien, associate director of the Office of Small Business Programs, a division of the U.S. Army Research, Development and Engineering Command, displayed the advantages of working with his office.

O'Brien said those he spoke with wanted to learn how to become federal contractors.

"I explained the time and performance factors, a series of other steps and how we help them meet the technical folks they want to do business with," he said.

O'Brien's office hosts several outreach events throughout the year including the second annual Advanced Planning Briefing for Industry, APBI, held in December 2013. The week-long gathering provides

networking opportunities and informs industry of potential contracting opportunities within APG mission areas, he said.

The next APBI is slated for November 2014.

Marilyn Howard, ACS employment readiness program manager, said the event was the first geared toward women only and that several attendees requested follow-on events focused on entrepreneurship.

"One thing I also stress is for employers to consider hiring our military spouses looking for work," Howard said. "Business ownership is beyond most of them because they move around so much but they have to make a living too so I always ask for any opportunities to share with military spouses."

Several attendees said they appreciated the networking event.

"I learned a lot," said CECOM software engineer Parul Patel, who shared that she would one day like to start up her

own software company. "I understand the issues now," she said.

RDECOM Accountant Dionne Burchenson called the presentations "tremendous." With plans to enter into a "diverse, technical media and wellness field," she said learned a lot of new information.

"Mainly I learned how important it is to be adaptable; to change with the times to keep the money coming in."

Renata Weaver, an executive assistant with the Army Contracting Command, said she attended to learn more about resources and skills associated with women-owned businesses.

"I'm undecided right now but I might be looking at starting my own business down the road," she said. "I learned a lot about helpful resources and that there are a lot of women out there starting their own businesses that need our support."

For more information about the ACS Employment Readiness Program call 410-278-9669/7572.

STEM Visionary Awards honor APG efforts

By **ROBERT DIMICHELE**
CECOM

The Deputy to the Commanding General of the U.S. Army Communications-Electronics Command has earned recognition from the Northeastern Maryland Technology Council for his leadership in developing science, technology, engineering and mathematics (STEM) initiatives in the region.

Gary Martin recently received the 2014 Visionary Award from the Council because of his efforts in advancing STEM education and specifically for creating the "STEM Forum," a collaboration of representatives from government, industry and academia who are expanding the pipeline of students studying STEM subjects.

"His leadership influenced key industries to establish this regional STEM initiative, giving it the status it now enjoys today -- touching tens of thousands of students in Cecil and Harford counties, said John Casner, Executive Director of the NTMC." "He [Martin] is a community role model in advancing STEM education and technology to benefit the community," Casner said. "His significant contributions to the well-being of our total community have been displayed through a personal commitment to the advancement of STEM education and technology with demonstrated qualities of enlightened leadership over a remarkable period of time."

More than 300 leaders in industry, government, non-profit, and education

arenas attended the event. "We are honoring remarkable people who are playing key roles in moving our region forward in the areas of education and technology," said NMTC Board President Michael Parker. "These are individuals who selflessly donate their time and talents to make a difference in their community."

While accepting the award, Martin emphasized that STEM education plays a critical role at Aberdeen Proving Ground because it provides the expertise necessary for the installation's centers of expertise in research and development, test and evaluation, communications-electronics, chemical-biological defense, and medical science.

"STEM is what we do," he said.

He added that despite declining budgets these are still areas of significance to the Department of Defense. "Therefore," he said, "We will continue to need the nation's best and brightest."

Ten other award winners - four from APG - were recognized for their roles in various STEM initiatives in the region. Suzanne Milchling, director of Program Integration for the U.S. Army Edgewood Chemical Biological Center, earned a leadership award for playing a critical role in expanding innovative STEM initiatives that engage students and teachers with APG organizations. Suzanne Procell, a quality manager at ECBC, received a mentor award for founding "Kids & Chemistry," a program that teaches hands-on chemistry concepts to hundreds of fifth grade students each year. A retired research



File photo

(From left) Mike Parker, President of the Board of the Northern Maryland Technology Council presents the 2014 Visionary Award from the Northern Maryland Technology Council to Gary Martin, deputy to the commander of the U.S. Army Communications-Electronics Command, for his leadership in advancing STEM education in the region.

physicist from the U.S. Army Research Laboratory, Dr. Robert Lieb, was recognized for mentoring numerous students in the region and for helping to create the Senior Science Society. And, Carmen Kifer, a chemical engineer with the U.S. Army Chemical Materials Activity was honored as a "rising star" who helped to organize the county's first STEM Night, which launched STEM Nights across the region.

"I haven't seen anything like it [STEM education] anywhere I've been

before, Martin stated. "I'm humbled to be amongst this team."

Casner summarized the positive impact that the awardees provide.

"We are grateful to these individuals for helping our region grow to the next level. Northeastern Maryland has grown and changed and our economic infrastructure is increasingly focused on research and technology development," he said. "These are the individuals who are building the foundation for the future of our region."

Army scientists inspire local students

By **DENNIS NEAL**
RDECOM

A team of Army scientists and engineers descended on Southampton Middle School in Bel Air with a mission to ensure future Soldiers have the best technology available. Jyuji Hewitt is the deputy director of the U.S. Army Research, Development and Engineering Command. He was also recently named the STEM Champion for APG.

“In order to get to that best technology, you have to have scientists and engineers that work the very hard problems to bring that technology forward,” Hewitt said. “To have those engineers and scientists, you have to have that pool of scientists to choose from to bring them into the workforce.”

RDECOM and APG teamed with the Northeastern Maryland Technology Council to participate in the STEM and Beyond Night program. Every middle school in Harford and Cecil coun-

“These [students] are our future. These are the folks that are going to replace us, so we do have a vested interest to get these guys interested in science. I think that’s so important and will help our nation as a whole.”

Jyuji Hewitt

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

ties, the area around APG, will serve as a host site for the program in a three-year rotation. Southampton held three sessions each of more than 20 hands-on demonstrations with the scientists and engineers in addition to more than 15 exhibits set up in the school’s cafeteria.

“I believe these types of programs are very important because we want to engender a passion at a very young age in our school children, bring them up in the areas of science and technology,

engineering and mathematics,” Hewitt said. “We want them to have that fire burning within so they can carry it through high school and college and on out to the workforce later in life.”

National math and science scores have been dropping, Hewitt said, and he feels this type of program will get young students off to a good start.

“This is a program to help get that passion and help get that interest back into our young children. Then they

might have a passion for doing something to support the Army,” he said.

Hewitt said the STEM outreach programs at APG are the best he’s seen.

“I want to go out and see what’s going on at the other programs we have across RDECOM and take the best practices of all of them and meld them together,” he said. “I think that’s one of the things the STEM program can do in support of the Army, in working with the Acquisition, Logistics and Technology office. To make sure we have a good consistent program that’s meeting the needs of the President and his objectives and the Army, to bring up and get that passion for science in our youth.

“These [students] are our future,” he said. “These are the folks that are going to replace us, so we do have a vested interest to get these guys interested in science. I think that’s so important and will help our nation as a whole.”

ORGANIZATIONS AND MISSIONS

1ST Area Medical Laboratory (AML)

The 1st Area Medical Laboratory mission is to deploy worldwide to perform field confirmatory and/or theatre validation level laboratory analysis of environmental samples. The 1st AML is a FORSCOM field analytical laboratory unit with capabilities to detect and identify chemical (CWA and TICs), biological agents (BWA and other infectious disease agents) and radiological materials from environmental samples. Additionally, the 1st AML can provide health hazard assessment based on sample analysis data, and can analyze samples from natural or man-made events collected during peacetime or conflict activities. When deployed, the AML serves as a C-WMD/ Force Health Protection

asset. For more information, call 410-436-7148.

20th Chemical, Biological, Radiological, Nuclear, Explosives Command (CBRNE) (U.S. Army Forces Command - FORSCOM)

The 20th CBRNE Command is the Army's sole formation dedicated to combating the full range of Chemical, Biological, Radiological, Nuclear and Explosive threats facing the nation.

More than 5,000 military and civilian employees comprise the command, which is distributed across 19 installations in 16 states to provide immediate CBRNE capabilities in support of military and civil requirements. Command of these highly trained and Spe-

cial Purpose Forces resides under the Headquarters of the 20th CBRNE Command, providing the Army and the nation the capability, flexibility and responsiveness to achieve operational success in a variety of complex environments, anytime and anywhere.

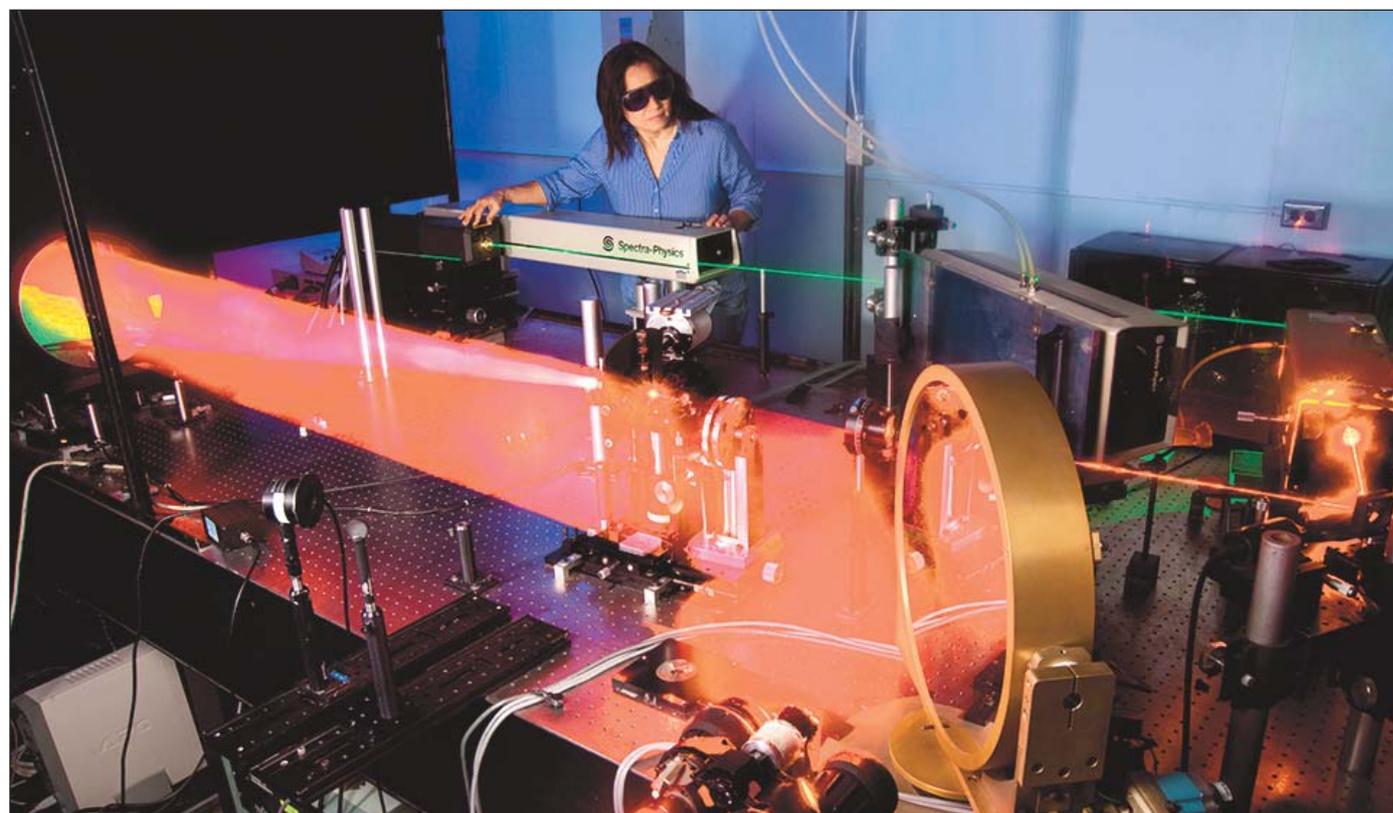
The command is equipped with state of the art technologies at every echelon to ensure an effective, all-hazards CBRNE capability to identify, assess, render safe, dismantle, exploit, decontaminate, transfer, and dispose of CBRNE hazards, including weapons of mass destruction, unexploded ordnance, and improvised explosive devices.

Subordinate elements of the command include the 48th Chemical Brigade, the 52d Explosive Ordnance Disposal Group, the

71st EOD Group, the 21st EOD Company (WMD), and the CBRNE Analytical and Remediation Activity. These organizations provide the Army with an All Hazards CBRNE capability in support of Homeland Defense and Combatant Commander's CBRNE requirements in operations and contingencies across the globe.

Consolidating the majority of its CBRNE assets under the 20th CBRNE Command enables the Army to more effectively coordinate and direct these specialized CBRNE elements in support of the National Defense Strategy. This alignment eliminates operational redundancies and allows for more efficient management and employment of these unique but limited resources.

The 20th CBRNE Command



File photo
Army scientist Suzanne Reynolds uses the Fourier Transform Range Simulator to acquire signature data during the eye optical cross-section study at the Army Research Laboratory in Adelphi, Md.

continues to transform to meet the requirements of the nation. The Soldiers, civilians and contractors of the 20th CBRNE Command possess unique capabilities in a highly-specialized field, making it the premier U.S. Army unit for employment against existing and emerging CBRNE threats.

The 20th CBRNE Command provides the Army and the nation with ready, reliable and globally responsive CBRNE forces capable of leading and executing CBRNE-related operations and activities, anytime and anywhere.

For more information, call 410-436-3433 or visit the CBRNE website at www.cbrne.army.mil or on Facebook at www.facebook.com/20thsupportcommandcbrne.

22D Chemical Battalion (Technical Escort)

On order, the 22d Chemical Battalion (TE) deploys to conduct WMD/CBRNE elimination operations in support of combatant commanders and other governmental agencies in order to counter CBRNE threats.

The unit integrates, coordinates, deploys and provides trained and ready CBRNE teams and exercises command and control of specialized CBRNE operations to support joint and Army forces primarily for overseas contingencies and warfighting operations, but also in support of homeland defense. The 22d Chemical Battalion (TE) maintains technical links with appropriate joint, Army, federal and state CBRNE assets, as well as the research, development, and technical communities to assure Army CBRNE response readiness.

For more information, call 410-436-6455 or visit www.cbrne.army.mil.

203D Military Intelligence Battalion

On order, 203d MI BN (TECHINT), or when designated as the Captured Materiel Exploitation Center, or CMEC, deploys and

conducts operations in support of combatant commanders or other government agencies in order to collect and exploit captured enemy weapons, equipment and other materiel. A Reserve component unit with more than 44 different military occupational skills that provides intelligence derived from reconnaissance, collection and tactical exploitation of weapons, equipment and other materiel found, captured or acquired world-wide; establishes the Captured Materiel Exploitation Center or the Combined or Joint CMEC; conducts training on foreign weapons, vehicles and other equipment and conducts emerging technical intelligence missions in support of contingency operations. For more information, call 410-278-7825.

Materiel Operations Division, National Ground Intelligence Center

Provides logistical and storage management of materiel used in various exploitation and research programs.

For more information, call 410-278-5295.

A

Army & Air Force Exchange

Provides quality merchandise and services to customers at competitively low prices and generates earnings which provide a dividend to support Morale, Welfare and Recreation (MWR) programs. Visit us at shopmyexchange.com.

Army Contracting Command-Aberdeen Proving Ground (ACC-APG)

As the Army's business conduit, the Army Contracting Command ensures contracting support to enable mission requirements as the Army conducts operations

throughout the world. The Army Contracting Command – Aberdeen Proving Ground is one of the ACC's five contracting centers. Military, civilian and contractor personnel within ACC-APG support Soldiers worldwide by acquiring equipment, supplies and services vital to mission success in support of national defense and homeland security. In this way, ACC-APG ensures Soldiers have the resources they need to be successful in theater and on installations.

ACC-APG provides comprehensive contracting and business advisory support to a diverse customer base. The nature of these acquisitions consists of a wide gamut of products and services including state-of-the-art technology and complex weapon systems. Skilled professionals within ACC-APG provide sustained expertise in all areas of contracting including research and development, production and testing, installation and base operations, systems and system support, depot-level maintenance, fielding and sustaining Army weapon systems, foreign military sales, grants, cooperative agreements, and other transactions. ACC-APG provides its customers with contracting expertise by some of the best trained professionals in the Army. ACC-APG manages over 830 military and civilian employees in 17 divisions dispersed across 11 locations. These employees oversee the fiscal accountability of approximate-



File photo
Spc. Rocco Scinto inspects the wing of a MQ-1C Gray Eagle unmanned aircraft during a routine maintenance check at the Gray Eagle hangar at Fort Stewart, Ga. The 2013 Unmanned Systems Integrated Roadmap articulates a vision and strategy for the continued development, production, test, training, operation and sustainment of unmanned systems technology across the Department of Defense

ly 40,000 contracting actions each year valued at over \$14 billion. ACC-APG takes pride in its mission contributions that enable victories on the battlefields of today and into the future.

For more information, visit <http://www.acc.army.mil/contractingcenters/acc-apg/>

U.S. Army Evaluation Center (AEC) (Subordinate to ATEC)

AEC evaluators assess the system-performance data provided by ATEC's developmental and operational test programs, and produce the final reports that enable acquisition decision-makers to determine whether new or enhanced systems will become part of the Army's 21st century arsenal. In this role, AEC is deeply involved in the Army Transformation effort, enabling the Army to field systems that meet the needs of America's Warfighters now and in the

future. AEC gets involved early in the acquisition process to ensure that test and evaluation programs, strategies and objectives are consistent throughout the Army's acquisition program, and that test programs yield the data needed for rigorous system evaluations. For more information, call 443-861-9410 or visit www.atec.army.mil/aec

U.S. Army Research Laboratory (ARL)

The U.S. Army Research Laboratory provides the underpinning science, technology, and analysis that enable full-spectrum operations as the Army's corporate, or central, laboratory. Its diverse assortment of unique facilities and dedicated workforce of government and private sector partners make up the largest source of world-class integrated research and analysis in the Army.

By combining its in-house technical expertise with those from academic and industry partners, ARL is able to maximize each dollar invested to provide the best technologies for Soldiers.

ARL consists of six directorates and the Army Research Office. These six directorates, each with presence on APG, focus on technology areas critical to strategic dominance across the entire spectrum of operations. The Computational and Information Sciences Directorate (CISD) conducts scientific research and technology focused on information processing, network and communication sciences, information assurance, and Battlespace environments, and advanced computing that create, exploit and harvest innovative technologies to enable knowledge superiority for the Warfighter.

The Human Research and Engineering Directorate (HRED) pursues scientific research and technology directed toward optimizing Soldier performance and Soldier-machine interactions to maximize battlefield effectiveness, and to ensure that Soldier performance requirements are adequately considered in technology development and system design. Through its Sensors and Electron Devices Directorate (SEDD), ARL provides scientific research and technology in electro-optic smart sensors, multifunction radio frequency, autonomous sensing, power and energy, signature management, directed towards reconnaissance, intelligence, surveillance, and target acquisition (RISTA), fire control, guidance, fusing, survivability, mobility and lethality.

ARL's Survivability/Lethality Analysis Directorate (SLAD) is the premier source of expertise in survivability, lethality and vulnerability (SLV) assessments for senior leaders, developers and evaluators. SLAD helps ensure that U.S. personnel and equipment survive and function effectively in hostile environments.

The Vehicle Technology Directorate (VTD) addresses propulsion, transmission, aeromechanics, structural engineering, and robotics technologies for both air and ground vehicles while the Weapons and Materials Research Directorate (WMRD) advances scientific research and technology in the areas of weapons, protection, and materials to enhance the lethality and survivability of the nation's Warfighters.

ARL has consistently provided the enabling technologies in many of the Army's most important weapons systems. Technology and analysis products are moved into Army Research, Development, and Engineering Centers (RDECs) and to other Army, Department of Defense, government, and industry customers. ARL programs are focused on key science and technology groundwork that will enable the transformation of the Army into a more versatile, agile, survivable, lethal, deployable, and sustainable force.

For more information, call 301-394-3590 or visit www.arl.army.mil.

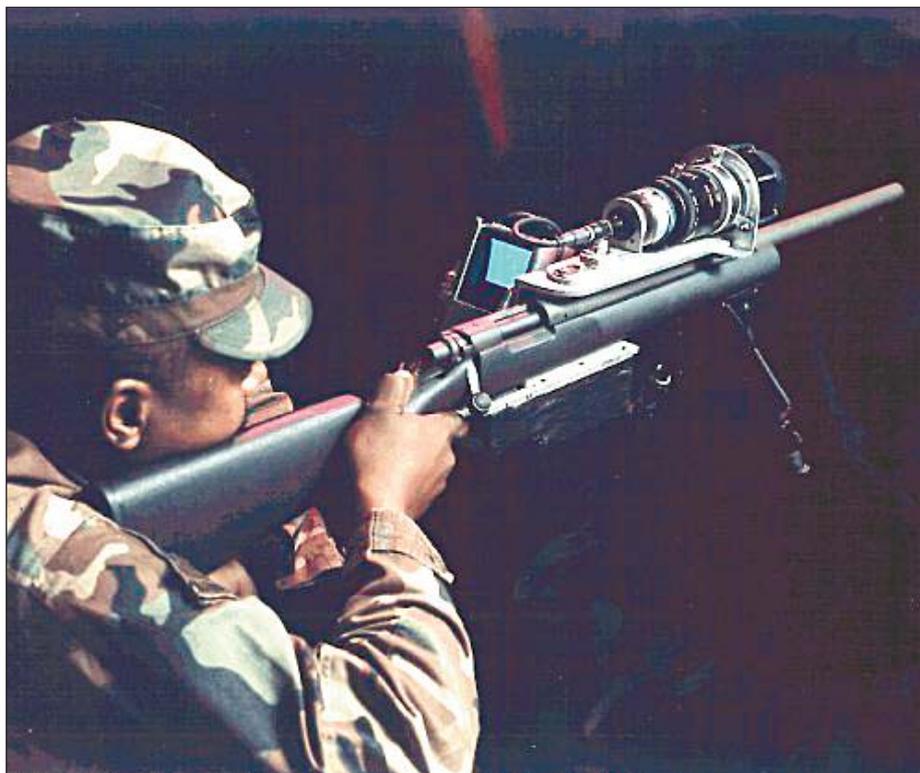
U.S. Army Test and Evaluation Command (ATEC)

ATEC plans, conducts and integrates developmental testing, independent operational testing, independent evaluations, system assessments and experiments to provide essential information to decision makers and ensure service members have the right capabilities for success across the full spectrum of military operations.

At APG, ATEC, the Army Evaluation Center, and Aberdeen Test Center support this critical mission. ATEC also serves as head-



File photo (From left) Dr. Paul Tanenbaum, director of SLAD, Dr. Mark Valco, VTD deputy director and Jyuji Hewitt, RDECOM deputy director, discuss ARL research in advanced fuel injection technologies for Army ground vehicle and unmanned air vehicle engines. The experimental hardware shown is used for characterizing fuel injector nozzles and fuel injector spray droplet dispersion.



File photo

Army researchers inspire commercial rifle fire control systems. Shown is the U.S. Army Research Laboratory's Inertial Reticle Technology prototype.

quarters to eight test units located across the nation. Employing cutting edge technology, ATEC's test officers, engineers, scientists, technicians, researchers and evaluators rigorously test items of every description, from individual weapons to the National Missile Defense ground-based, mid-course defense systems. ATEC also helps the Army assess the effectiveness of systems in the combat theater by deploying personnel for extensive periods to conduct forward operational assessments. Critical test programs in theater include the family of Mine Resistant Ambush Protected vehicles, a wide array of unmanned ground and aerial systems, state-of-the-science weapons and weapons platforms, combat aviation technology, Soldier protective technology, and multiple systems designed to defeat improvised explosive devices and other ballistic threats. In providing independent, objective testing and evaluation of systems to Army acquisition decision makers, ATEC ensures U.S. service members have systems and equipment that work. For more information, call ATEC Public Affairs at 410-861-9731 or visit the ATEC website at www.atec.army.mil.

(U.S.) Army Audit Agency (USAAA)

Our mission is not to find problems. We set out to provide Army leaders assurance that: (1) Policies, programs, organizations, systems, and operations are achieving their objectives; (2) Resources are efficiently used and properly safeguarded; (3) Laws and regulations are complied with; and (4) Internal controls and oversight are in place and operating to prevent fraud, waste, and abuse. To provide this assurance, we conduct objective and independent audit services and help Army leaders identify and mitigate risks.

We are mindful that everything we do should ultimately support the warfighter.

For more information, call 410-278-4287, or visit <http://www.army.mil/aaa>

C

CBRNE Analytical and Remediation Activity (CARA)

The 20th CBRNE Command's CARA was established in May 2007 as an all civilian organization. CARA is comprised of a Mobile Expeditionary Laboratory (MEL) Section, an Aviation Section, and two Remediation Response Sections with one located here at Aberdeen Proving Ground, Maryland and the other at Pine Bluff Arsenal, Arkansas. CARA's mission is to deploy and conduct operations in support of Combatant Commanders or other government agencies in order to counter CBRNE and WMD threats in support of National Combating WMD objectives.

The MEL Section deploys trained and ready analytical scientists and technicians to detect, identify and characterize chemical, biological and explosives evidence to support intelligence, investigative, mission planning, remediation and consequence management activities. The MEL contains two tactical Heavy laboratories, two tactical Light laboratories, and four chemical air monitoring suites to enhance field confirmatory detection capabilities for the supported command or agency.

The Aviation Section provides dedicated fixed wing and rotary wing aviation support for the escort of chemical and biological surety/non-surety materials, emergency response of Recovered Chemical Warfare Material (RCWM) and transport of command response teams.

The Remediation Response sections conduct assessment, characterization, remediation, packaging, emergency response, and transport of hazardous CBRNE materials, weaponized and non-weaponized materials, and conventional and chemical UXOs located at Formerly Used Defense Sites, BRAC sites and active installations. The response

sections utilize state of the art magnetometry and ground penetrating radar as well as the most advanced non-intrusive scanning and detection capabilities.

CARA fills many capability gaps and provides specialized CBRNE expertise and continuity to the 20th CBRNE Command, U.S. Army Corps of Engineers, U.S. Army Environmental Command, Joint Program Manager for Elimination (JPM-E), and many other government agencies.

For more information, call 410-436-6455 or visit www.cbrne.army.mil.

(U.S. Army) Chemical Materials Activity (CMA)

CMA was provisionally established in November 2003, combining the Program Manager for Chemical Demilitarization (PMCD) with some elements of the U. S. Army Soldier and Biological Chemical Command (SBCCOM). In August 2013, CMA's chemical weapons disposal elimination mission was provisionally transferred to the Joint Program Executive Office for Chemical and Biological Defense (JPEO-CBD) as part of the reshape of the Activity headquarters.

CMA is the world leader in programs to safely secure and effectively store chemical weapons. The activity develops and uses technologies to safely store chemical weapons while protecting the public, its workers and the environment. The enduring mission areas of CMA include: Chemical Stockpile Storage, Chemical Stockpile Emergency Preparedness Program (CSEPP) and adhering to International Treaty requirements as the Army's delegated Implementing Agent for compliance with the Chemical Weapons Convention Treaty. CMA is assigned as the Army's National Inventory Control Point Accountable Property Officer and National Maintenance Point.

For more information, call the CMA Public Affairs Office, 1-800-488-0648 or 410-436-3629, or visit www.cma.army.mil.

Civilian Human Resources Agency (CHRA) Headquarters

Provides effective, consistent application of G-1 human resources policies (appropriated and non-appropriated fund) by Civilian Personnel Advisory Centers. Provides operational oversight to regional HR offices, develops and delivers HR training and manages business practices and measures production. Additionally, CHRA Headquarters oversees the manpower and fiscal programs (budget, equipment, central procurement, supplies, etc.) for Department of the Army's Regional HR offices.

For more information, call 410-306-1701 or visit www.chra.army.mil.

CHRA Northeast Region Office

Performs a variety of human resources services to support the CPACs serviced by CHRA, Northeast Region. Maintains the HR automation systems to include database maintenance. Coordinates password resets for the Department of the Army employees who access the HR automation systems. Maintains the Official Personnel Files for the 45,000 plus employees who are serviced by the Northeast Region. Additionally, maintains the DoD USA Staffing program.

For more information, call 410-306-1420 or visit <https://cpolrhp.cpol.army.mil/ner/>.

(APG) Civilian Personnel Advisory Center (CPAC) (Subordinate CHRA activity)

Provides HR services to the various tenant activities located on APG to include their satellite offices in various states. Processes all personnel actions. Works with Defense Finance and Accounting Service to coordinate pay administration and perform quality control. Works closely with commanders, directors and senior staff to advise



File photo
Butch Leilich (left), Anna Kirby, and Jeffrey Gonce, supervisor of the field maintenance branch at Edgewood Chemical Biological Center's Chemical Biological Applications Risk Reduction Unit, build the fourth of seven Field Deployable Hydrolysis Systems.

them on all aspects of civilian HR management and disseminates essential HR information. Provides comprehensive HR advice and support to managers and employees on critical issues such as strategic recruitment, labor management, management employee relations, training, employee benefits and entitlements and classification. Ensures legal and regulatory compliance for the programs administered such as merit promotion, pay, Priority Placement Program, appeals, grievances and the Federal Employees Compensation Act Program. Responsible for advertising all vacancies and rating, ranking and referring qualified candidates. Supports all major reorganizations, and conducts reductions-in-force.

For more information, call 410-278-1404 or visit APG CPAC, www.apg.army.mil/cpac/index.html.

U.S. Army TACOM Life Cycle, Management Command, Clothing and Heraldry Product Support Integration Directorate (PSID)

The Clothing and Heraldry PSID provides clothing and individual equipment logistical services to the Warfighter and sustains clothing and heraldry products for Soldiers, units, and veterans.

The Office of the Director, as well as the Organizational Clothing and Individual Equipment



File photo
U.S. Marine Corps Sgt. Orin Sanford looks out the side door of a UH-1Y Huey after taking off from the flight deck of the USS Bonhomme Richard, April, 18 to assist South Korea's search and rescue efforts for the Sewol. The ferry sank April 16 off Jindo, an island in the southwest corner of the Korean Peninsula. Sanford is a crew chief assigned to Marine Medium Tiltrotor Squadron 265, 31st Marine Expeditionary Unit.

Central Management Office (OCIE CMO) and the Clothing Services Office (CSO) are based at the APG South (Edgewood) area of Aberdeen Proving Ground.

The OCIE CMO manages all Army organizational clothing and individual equipment. The office is the central point of contact for all OCIE data collection and teams with Program Executive Office Soldier and Defense Logistics Agen-

cy for life cycle management of all OCIE.

The CSO is the Headquarters, Department of the Army G-4 executive agent for all matters related to military clothing sales worldwide. The office provides technical assistance to Department of the Army G-4, Headquarters, Installation Management Command, major Army commands, Headquarters, Army and Air Force Exchange

Service, and many other agencies on matters related to the issue and sale of personal clothing. The CSO provides oversight of Army Military Clothing Sales Stores, Central Issue Facilities, and Clothing Initial Issue Points, and conducts management assistance visits.

The Heraldry Team, based at the Philadelphia Naval Support Activity, manages and controls the issue of flags, guidons, and

streamers for the Army, National Guard, Army Reserve, and Junior Reserve Officer Training Corps. The heraldry mission also includes the supply and control of general officer kits (less side arms), and VIP heraldry (presidential, vice presidential, positional, and White House staff). The Army Veteran Medals Program provides medals, decorations, and awards to veterans and their next of kin.

The Clothing and Individual Equipment Logistics Support Office, also based at the Philadelphia Naval Support Activity, provides logistical support for all clothing and individual equipment items and has on-site liaison with Defense Logistics Agency Troop Support Command.

For more information, call 410-436-0956/4283 or visit us at: <https://spportal.tacom.army.mil/sites/ILSC/Collaboration/CHPSID/default.aspx?source=/sites/ILSC/Collaboration/CHPSID/default.aspx>

(U.S. Army) Communications Electronics Command (CECOM)

Is the Army's premier command, control, communications, computers, intelligence, surveillance and reconnaissance, or C4ISR, capabilities provider. Designated a Life Cycle Management Command (LCMC), CECOM develops, provides, integrates and sustains the logistics and readiness of C4ISR systems and mission command capabilities for joint, interagency, intergovernmental and multinational forces worldwide. A subordinate of the U.S. Army Materiel Command, CECOM is the Army's critical link for life cycle support of the communications-electronics systems and equipment used by the Soldier and the joint Warfighter.

CECOM is integrated into the Army Field Support Brigade structure, ensuring regional alignment to critical Army regions. From setting up command and tactical operations centers in remote areas to installing and maintaining communications systems in vehicles and

aircraft, CECOM supports Warfighters through training, field support for modifications and upgrades, ensuring interoperability of hardware and software on the network, and providing logistical expertise to ensure the right equipment is in the right place at the right time.

As the operating environment grows more complex and the demand for information technology and communication grows even more vital, CECOM is the critical link that drives C4ISR readiness worldwide.

Visit us at: <http://cecom.army.mil/>
<http://www.facebook.com/CommunicationsElectronicsCommandCECOM>

(U.S. Army) Communications- Electronics Research, Development and Engineering Center (CERDEC)

CERDEC provides the Army with in-house science and engineering expertise, adopting, adapting and maturing relevant scientific breakthroughs in the dynamic, fast-paced area of information and communication technologies.

CERDEC's technical depth and operational awareness provides the Army and Department of Defense with core technical expertise across the Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) domain.

With more than 1,500 scientists and engineers and close to one million square feet of laboratory facilities, CERDEC researches, develops and engineers the diverse C4ISR building-block technologies, networks and architectures that advance the Army's mission command and intelligence capabilities.

Whether enabling situational awareness and understanding, establishing and securing communications, providing Soldiers the knowledge and clarity to strike with decisive effect, or protecting from surprise attack, the Army looks to CERDEC for C4ISR



File photo

Marine Cpl. Kyle Denny, with the 3rd Light Armor Reconnaissance, does a system check on a Joint Battle Command-Platform system during the NIE 14.1, at McGregor Range, N.M. Involvement by the Marine Corps during NIE 14.1 helped set the conditions for increased Joint and multi-national participation in NIE 14.2.



U.S. Army World Class Athlete Program Soldiers New York Army National Guard Sgt. Matt Mortensen (top) and Utah National Guard Sgt. Preston Griffall (bottom) are clocked at 80 miles per hour on a run of 51.660 seconds during Olympic luge doubles training, Feb. 10, at Sanki Sliding Centre in Krasnaya Polyana, Russia.

File photo

expertise and continuity across domains and platforms.

For more information, call 443-861-7566 or visit <http://www.cerdec.army.mil>.

Follow us on Facebook, Twitter and Flickr for news and updates:
www.facebook.com/CERDEC
www.twitter.com/CERDEC
www.flickr.com/CERDEC

D

Defense Commissary Agency, Aberdeen (DECA-APG)

Delivers a premier commissary benefit to the armed services community that encourages an exciting shopping experience, satisfies patron demand for quality grocery and household products, delivers exceptional savings while enhancing quality of life, fostering recruitment, retention and readiness and supporting Warfighters' peace of mind, knowing their Families have

secure and affordable access to American products. For more information, call 410-278-3101 or visit www.commissaries.com.

Defense Military Pay Office (DMPO)

Provides timely and accurate, responsive and professional military pay services to the Army Soldiers who defend America.

Hours of operation are Monday through Friday, 8:30 a.m. to 3:30 p.m.

For more information, call 410-306-2359/2371.

(U.S. Army) Dental Clinic Command Directorate of Health Services

Provides Warrior focused oral health care with an exceptional team of professionals, dedicated to excellence and unified in service to active duty, National Guard and Reserve Soldiers who are on orders for more than 30 days at Aberdeen Proving Ground; provides a dentally ready force that supports the

Army's missions. Scheduling multiple dental visits will soon be unnecessary for most soldiers thanks to the GO FIRST Class program led by the U.S. Army Dental Command (DENCOM). Under the new initiative, soldiers will receive routine oral care procedures including exams, cleanings, tooth varnishing, and simple fillings during a single appointment. For more information, call 410-278-1795 or visit <http://kusahc.narmc.amedd.army.mil/Pages/dental.aspx>

DLA Disposition Services Field Office at Aberdeen

A part of the Defense Logistics Agency, provides DoD units worldwide with critical disposal services for material no longer needed for national defense. Responsible for property reuse, hazardous property disposal, demilitarization, precious metals recovery and recycling program support.

For more information, call 410-

306-4112 or 410-278-2216 or visit www.dispositionservices.dla.mil.

DLA Document Services

Mandated for all document services within the DoD, encompassing printing and high speed, high volume duplicating and includes the procurement of these services from commercial sources. Leasing printers, scanners and other multi-functional devices through DLA Document Services gives organizations a competitive advantage and spares them the complication of the bidding/contracting process.

Serves as the DoD preferred provider of solutions for the conversion, retrieval, output and distribution of digital documents. Scanning of hard copy archival records into digital formats for Electronic Data Management is one of DLA Document Services' most popular new capabilities.

For more information about printing projects, call DLA Document Services Aberdeen, 410-278-4635. For other services, call the Deputy Director, 703-325-9927 or visit www.daps.dla.mil.

E

Edgewood Chemical Biological Center (ECBC)

ECBC serves as the nation's principal research and development resource for non-medical chemical biological defense. Its highly trained workforce supports all phases of the acquisition lifecycle from basic and applied research through technology development, engineering design, equipment evaluation, product support and sustainment. It has long supported the mission of the organization for the Prohibition of Chemical Weapons (OPCW) through its global field operations and chemical demilitarization activities. Additionally, the ECBC Forensic Analytical Laboratory is one of two OPCW-designated labs in the nation that specialize in the analy-

sis of samples for chemical warfare agents, by products, precursors and other compounds of interest.

Since 1917, ECBC science and technology expertise has protected the nation from the threat of chemical weapons. Today, as a research, development and engineering center under the U.S. Army Research, Development and Engineering Command, ECBC advances the mission of the warfighter and other stakeholders by leveraging scientific knowledge, specialized equipment and state-of-the-art facilities.

For more information, call 410-436-7118 or visit www.ecbc.army.mil.

F

Firing Tables and Ballistics (FTAB) Division, Armament Research, Development and Engineering Center

Responsible for ballistic characterization of munitions and the development of aiming data and ballistic fire control information for all unguided and certain guided combat weapon systems in the U.S. Army inventory, select tri-service systems, and select foreign military sales (FMS) cases. This includes small caliber infantry systems, mortars, tank-fired munitions, artillery, missiles, and rockets.

Establishes new or updated ballistics technology and designs various live fire tests for new or improved projectiles, propellants, and fuzes. Analyses of these tests result in the creation of new or updated fire control input (FCI) information necessary to operate ballistic software and are used to develop tabular firing tables (TFTs), graphical firing tables (GFTs), and graphical site tables (GSTs).

Produces and maintains operational software used on U.S. fire direction center and gun firing platforms primarily to compute the gunnery solution. Directly supports and develops specific component products of the NATO Sub-Group

2 Shareable Software Suite (S4) and fielded U.S. variants. The NATO software includes the NATO Armaments Ballistic Kernel (NABK), the NATO Armaments Support Software (NASS), the Terrain Elevation Data Manager (TEDM) of the NATO Armaments Geophysical and Information Kernel (NAGIK), the NATO Armaments Meteorological Kernel (NAMK), and the NATO Indirect Fire Appreciation Kernel (NIFAK). Field software requirements are managed through the Army's Ballistic Review Board (BRB) chartered by FTaB.

Publishes electronic and hard-copy tabular TFTs and directly distributes these items to the soldier in the field. Soldiers and Marines can request TFTs by calling 410-278-0179 or visiting <http://www.pica.army.mil/ftab> More information about FTaB and its software and other fire control products can be obtained by calling 410-278-3577.

G

(U.S. Army) Garrison Aberdeen Proving Ground (USAGAPG)

The garrison manages and operates Aberdeen Proving Ground, which is home to more than 90 garrison supported activities, 15 satellite activities, and eight private organizations.

USAGAPG provides the full range of installation support services, including administration; logistics; Family and morale, welfare and recreation; resources and personnel management; troop support; religious activities, safety and environmental management; operations and planning; law enforcement and security; contracting; public affairs; information technology and management.

Services are also provided to non-appropriated fund and contract personnel, Family members of active duty military personnel and retirees and their Family members residing in the surrounding community. USAGAPG also pro-



File photo

A tank fires live rounds during a demonstration hosted by the U.S. Army Test and Evaluation Command's Aberdeen Test Center during an Armed Forces Day celebration at Aberdeen Proving Ground.



File photo

David Mackie of the BioTechnology Branch, U.S. Army Research Laboratory, uses this device he created to test the usefulness of the decomposed sugars inside fuel cells. Mackie has been working with James Sumner for the last two years to control fermentation so that it is feasible to convert food waste into useable, long-lived power.

vides readiness and mobilization preparedness support to Reserve and National Guard units and other personnel.

For more information, call the USAGAPG Public Affairs Office, 410-278-1147, or visit www.TEAMAPG.com.

J

Joint Program Executive Office for Chemical and Biological Defense (JPEO-CBD)

The Joint Program Executive Office for Chemical and Biological Defense (JPEO-CBD) is the Department of Defense single focal point for research, development, acquisition, fielding and life-cycle support of Chemical, Biological, Radiological and Nuclear (CBRN) defense equipment, medical countermeasures, installation protection systems, and force protection systems. The seven Joint Project Managers within the JPEO-CBD are located around the country. They lead, manage and direct the acquisition and fielding of chemical and biological detection and reconnaissance systems, weapons of mass destruction elimination systems and processes, individual and collective protection systems, decontamination systems, information management systems, medical products, and installation and force protection solutions. The JPEO-CBD headquarters and four of its seven Joint Project Management Offices are located in the APG South (Edgewood) area of Aberdeen Proving Ground (APG), Md, resulting in a total APG presence of more than 600 people.

The four JPEO-CBD Joint Project Management Offices located in the APG South (Edgewood) area of APG have specific missions and focus: 1) The Joint Project Manager for Radiological and Nuclear Defense is responsible for all radiological and nuclear detec-

tion and defense and the Global Countering Weapons of Mass Destruction Awareness System; 2) The Joint Project Manager for Nuclear Biological Chemical (NBC) Contamination Avoidance develops, produces, integrates, tests and fields NBC detection, obscuration and reconnaissance systems; 3) The Joint Project Manager for Guardian provides CBRN defense capabilities for homeland and installation defense, as well as vigilant protection and initial response for the DoD's critical infrastructure and civilian support; and 4) The Joint Project Manager for Elimination (provisional) is responsible for the safe treatment and disposal of chemical agents and weapons across the globe using incineration, neutralization and hydrolysis technologies.

The three JPEO-CBD Joint Project Management Offices not located at APG are: 1) The Joint Project Manager for Medical Countermeasure Systems at Fort Detrick, Md. is responsible for providing U.S. military forces and the nation with safe, effective and innovative medical solutions to counter CBRN threats; 2) The Joint Project Manager for Protection in Stafford, Va, is responsible for all chemical biological defense (CBD) protection to include suits, boots, gloves, masks, collective protection, and decontamination; and 3) the Joint Project Manager for Information Systems, located in San Diego, Calif., is responsible for all CBD information systems to include Joint Early Warning and Effects Modeling.

Please contact the JPEO-CBD at 410-436-9600 or visit www.jpeocbd.osd.mil for additional information on the organization's mission and any of its seven Joint Project Management Offices. You can also follow the JPEO-CBD on Facebook at <https://www.facebook.com/JPEOCBD1>; and Twitter at <https://twitter.com/jpeocbd1>.

(U.S.) Army Joint Test Element (JTE)

(Subordinate to ATEC & the Office of the Secretary of Defense (OSD))

The U.S. Army Joint Test Element provides OSD funded enabling capabilities to the Joint Department of Defense community by focusing on solving challenges at tactical and strategic levels in joint forces military operations, and providing operationally-tested, non-materiel solutions to emergent issues identified by the joint forces military community.

The Army Joint Test Element, located at Aberdeen Proving Ground-South (Edgewood), is a component of the Army Test and Evaluation Command and collaborates with the Joint Test and Evaluation Program. The Army Joint Test Element manages one of three joint test units that support joint forces test and evaluation projects. Serving as an operational test agency, the Joint Test Element team predominantly focuses on Army priorities; however, the Joint Test Element enables the Army Test and Evaluation Command to support Department of Defense operational issues requiring a joint forces solution.

The Joint Test and Evaluation Program provides guidance and resources for near-term solutions to joint, service, agency, or combatant command challenges. Solutions are tested and evaluated via two options: a quick reaction test for issues that can be solved in less than one year and a joint test for complex issues that require up to two years of effort. Joint test nominations are reviewed semi-annually by a selection board of senior military and civilian leaders who determine which nominations will undergo a six-month, joint feasibility study, and subsequently, be considered for selection as a joint test. The resulting product of joint tests and quick reaction tests are handbooks; concepts of operations; tactics, techniques, and procedures; revisions to doctrine publications; and training inputs to joint forces and service schools.

For additional information about the Joint Test Element, call 410-436-4039 or visit the JTE website at <http://www.atec.army.mil/jte/>.

Joint, Project Manager for Nuclear, Biological and Chemical Contamination Avoidance (JPM NBC CA)

Vision is to equip and sustain the world's most capable, powerful and respected Joint Forces with world class chemical, biological, and radiological contamination avoidance products, capabilities and services.

Responsible for the development, production, integration, testing, and fielding of nuclear, biological and chemical detection, obscuration, and reconnaissance systems. Ensures that system developments, integration efforts and services focus on the Joint Warfighters' needs within cost, schedule, performance and risk. For more information, call 410-417-3417.

K

Kirk U.S. Army Health Clinic (KUSAHC) "Your Health is Our Goal"

Provides medical care to the APG Community. Specialty care services are coordinated by the National Committee for Quality Assurance (NCQA) certified Patient Centered Medical Home Team composed of physicians, physician assistants, nurse practitioners, and nursing staff.

Occupational Health Services are provided to APG federal civilian employees.

KUSAHC serves approximately 22,000 eligible DoD beneficiaries.

Committed to Warrior readiness, surety and the enhancement of the health of the military Family.

For more information, call 410-278-1724; for appointments call 410-278-KIRK (5475) or visit www.narmc.amedd.army.mil/kusahc/.



File photo Sgt. Maj. of the Army Raymond F. Chandler III receives a demonstration on the UH-72 Lakota Multiple Integrated Laser Engagement System from Lakota Crew Chief Staff Sgt. Kristopher W. Rogers, with the 2916th Aviation Battalion, 916th Support Brigade, at Fort Irwin, Calif. Chandler raised the MILES binoculars to target another Lakota on the helipad. The weapons system is routinely used to support the installations mission and adds to the tough, realistic joint and combined arms training that the 2916th Aviation Battalion provides.



File photo

The Joint Test Element of the Army Test Evaluation Command developed, tested, and validated tactics, techniques, and procedures to support the ground tactical commander's use and support of military working dogs while performing counter-IED missions.

M

Maryland Army National Guard

The Army Aviation Support Facility (AASF) as part of the headquarters, MDNG serves as the MDNG centralized Army flight operations, aviation standardization and training facility.

Provides organizational and intermediate maintenance support to 29th Combat Aviation Brigade rotary wing aviation units and operates Weide Army Heliport. Supports aircraft undergoing pre-deployment modification (PRESET) and as a training site for specialized aviation training such as external load, high performance rescue hoist, night vision goggle and aerial fire-fighting. MDNG aviation domestic emergency homeland security and homeland defense capability is projected from AASF as necessary throughout the state. The facility has recently been renovated and now has 12 hangars.

For more information, call 410-436-4403.

Headquarters, 29th Combat Aviation Brigade, (29th CAB)

Mobilizes and deploys on order to a designated area of operations to conduct decisive, full spectrum aviation operations in support of the designated joint, coalition, or maneuver command. The headquarters 29th CAB is responsible for command and control of all MDNG aviation units in Maryland, as well as a variety of other units. Those units contain more than 1,000 Soldiers and 21 aircraft. For more information, call 410-612-4180.

Headquarters, Aviation Depot Maintenance Roundout Unit (HQ, ADMRU)

Based in the APG South (Edgewood) area, HQ, ADMRU is an ARNG aviation logistics headquarters responsible for coordinating aviation logistics support between four ARNG Aviation Classification Repair Depots, or AVCRADs, located in California, Connecticut, Mississippi and Missouri and the U.S. Army Aviation and Missile Command located at Redstone Arsenal, Ala. On behalf of the National Guard Bureau, HQ, ADMRU serves as the executive agent for ARNG aviation logistics, supports the National Maintenance Program for both CONUS and OCONUS locations, classifies aviation stocks during pre-mobilization and mobilization at CONUS and OCONUS depots and storage sites and provides the capability for backup aviation support at CONUS depots. For more information, call 410-612-4184.

Maryland National Guard Freestate Challenge Academy

The Freestate Challenge Academy is a two-phased, 17 month intervention program for volunteers between the ages of 16 and 18 who are underemployed, drug free, at-risk high school dropouts from the state of Maryland. Students are brought into a structured and highly disciplined quasi-military academic setting that builds confidence and self-esteem.

The first phase consists of 22 weeks in residency at the Freestate Challenge Academy at Aberdeen Proving Ground. Cadets attend academic classes to prepare to test for the General Education Development (GED) credential and Maryland High School Diploma. Following graduation from the resident phase, the cadets are mentored for an additional 12 months. During this phase they become employed, continue their education, or enter the military. The mission of the academy is to intervene in and reclaim the lives of Maryland's high school dropouts by

providing the values, skills, education and self-discipline needed to become responsible, productive citizens who will succeed as adults.

To date, 3,131 high school dropouts have successfully completed the 17 month program and have become contributing and productive members of our communities.

This program is funded by the Department of Defense (75 percent) and the state of Maryland (25 percent). It is cost-free for cadets. For additional information, visit www.ngycp.org/state/md or call 410-436-3331.

U.S. Army Materiel Systems Analysis Activity (Subordinate to U.S. Army Materiel Command)

AMSAA conducts analyses across the Materiel Lifecycle to inform critical decisions for current and future Warfighter needs while valuing the unique knowledge, experiences, and backgrounds of its people. AMSAA is the Army's recognized source of credible materiel lifecycle analysis and decision support for the Warfighter.

AMSAA provides responsive systems analysis to support the equipping and sustaining of weapons and materiel for Warfighters in the field as well as Future Army Forces. AMSAA is all about military systems analysis to provide decision making support to aid the Soldier.

For more information call 410-278-0433; email: usarmy.APG.amsaa.list.g-3@mail.mil, or visit <http://web.amsaa.army.mil>.

(U.S. Army) Medical Research Institute of Chemical Defense (MRICD)

The USAMRICD is the nation's Center of Excellence for Medical Chemical Defense. The mission of the USAMRICD is to discover and develop medical products and knowledge solutions against chemical threats through research, consultation, education and training.

A new replacement facility for

the USAMRICD is presently under construction and will become operational this year. The new facility, which totals 526,000 square feet and has the capacity for 395 employees, will significantly enhance the nation's ability to develop medical countermeasures to chemical weapons and to teach medical treatment of chemical agent casualties to health care professionals.

Institute scientists perform comprehensive, basic scientific research to devise and transition products for chemical agent defense to advanced development. Fundamental and applied research in pharmacology, toxicology, pathology and biochemistry is conducted to define how chemical warfare agents produce harmful effects and to identify and evaluate pretreatment and prophylactic protective measures, antidote therapies and other means to sustain the U.S. armed forces in chemical environments. The scientific information gained is shared via peer-reviewed journals, publications, presentations, and technology to ensure an unsurpassed knowledge base of medical chemical defense information. The USAMRICD also engages in collaborative work with numerous organizations. For example, the institute is leading a consortium of laboratories engaged in chemical and biological defense program research by designing and managing the Absorption, Distribution, Metabolism, Excretion, and Toxicity (ADMET) Center of Excellence. A joint effort, the center's mission is to characterize chemical warfare threats and candidate medical countermeasures against them.

The Chemical Casualty Care Division educates medical professionals and first responders in the management of chemical casualties and provides consultation to military and civilian authorities. Under sponsorship of the U.S. Army Medical Department Center and School, The Army Medical Department and The Office of The Surgeon General, its staff of physicians, nurses, and other highly qualified military and civilian



You never have to miss an issue of the APG News

Visit us online
www.teamapg.com

personnel develops and presents post-graduate education programs for medical professionals, hospital administrators, medical planners, and first responders in the management of chemical agent casualties. Many of its continuing medical education courses are accredited for CME/CEU credits for physicians, nurses, and paramedical professionals.

For more information, call 410-436-1861 or visit <http://usamricd.apgea.army.mil/> or <http://ccc.apgea.army.mil/>.

P

Program Executive Office, Assembled Chemical Weapons Alternatives (PEO ACWA)

Enhances national securi-

ty and executes the nation's chemical weapons elimination imperative by the safe and environmentally sound destruction of chemical weapons stockpiles stored at the Blue Grass Army Depot (Kentucky) and the Pueblo Chemical Depot (Colorado). PEO ACWA oversees the development and full-scale pilot testing of the selected destruction technologies at both locations. Each of PEO ACWA's plants is a one-of-a-kind facility designed at APG, center of the nation's foremost chemical demilitarization expertise, employing the highest degree of automation and robotics to disassemble and safely destroy obsolete munitions containing nerve and mustard agents. For more information, contact the PEO ACWA Public Affairs Office, 410-436-3398 or follow us on Facebook, www.facebook.com/peoacwa, and Twitter, www.twitter.com/acwanews or visit the PEO

ACWA website at www.peoacwa.army.mil.

Program Executive Office Command, Control and Communications - Tactical (PEO C3T)

PEO C3T develops, acquires, fields and supports the Army's tactical communications network – a critical Army modernization priority that brings information dominance to present and future Soldiers. The network is critical to connecting the forces and empowering Soldiers and leaders to make decisions with the right information at the right time.

PEO C3T is delivering the network to austere regions around the globe, enabling high-speed, high-capacity voice, data and video communications to a user base that includes the Army's joint and coalition partners. Through the integrated "Capability Sets" now being fielded to brigade

combat teams across the Army, PEO C3T is providing mobile network connectivity from the brigade commander all the way down to the dismounted Soldier.

PEO C3T technologies allow Soldiers in tactical vehicles to plan and execute their missions while on the move across the battlefield, tracking friendly and enemy force locations on a digital map. Capabilities fielded by PEO C3T allow Soldiers to digitally call for fires, accurately engage their targets, send text messages reporting enemy locations or requesting medical help, and track unit readiness and equipment availability. PEO C3T is increasing competition in its network and mission command system procurements in order to deliver enhanced capability for the Soldier while lowering costs for the Army.

Aberdeen Proving Ground is the collaborative hub where PEO C3T will continue to innovate for



File photo

Dust and noise, generated by APG test missions, like the event shown here at an APG test site, are the focus of a Joint Land Use Study currently looking at ways to accommodate new growth and economic development with surrounding communities, and protect public health, safety and the environment while protecting operational missions. JLUS findings will be released February 2015.

the future. PEO C3T will deliver a pervasive, integrated network that gives Soldiers the information they need from garrison to the foxhole, while simplifying the network so it is easier to use, train, maintain and sustain.

For more information, visit the PEO C3T website at <http://peoc3t.army.mil/c3t/>.

Program Executive Office-Ground Combat Systems Field Office (PEO-GCS)

Provides on-site liaison support to numerous Project Management offices during the research, development, test and evaluation of their products and platforms. PM offices are located elsewhere throughout the country, so these liaisons provide a vital link for them to the test site at APG.

Plans, coordinates, monitors and reports test status and developments of testing to the PMs. Facilitates near real-time test status information to the PM decision makers, enabling PMs to assess emerging test results and "adjust fire," if needed. This capability is essential as the PMs strive to find the most efficient ways to develop and safely test new equipment for the Warfighters.

Test programs currently being supported by this office include the Abrams tank, Bradley Fighting Vehicle, PM Self Propelled Howitzer Systems, M88A2 Recovery Vehicle, BFIST, and M1200 Knight Fire Support Platforms, which are all managed by PM Armored Brigade Combat Team (ABCT). Another test program currently being supported by this office is Stryker, which is managed by PM Stryker Brigade Combat Team (SBCT).

This APG Field Office has the capability to support any other programs managed under PEO-GCS.

For more information about PM ABCT, call 410-278- 3300/2773 or visit www.peogcs.army.mil.

Program Executive Office Intelligence, Electronic Warfare and Sensors' (PEO IEW&S)

The PEO IEW&S mission is to provide affordable, world-class sensor and electronic warfare capabilities, enabling rapid situational understanding and decisive actions. PEO IEW&S products can be used for targeting, situational awareness, force protection, cyber warfare and reconnaissance, surveillance and target acquisition (RSTA). These critical systems are integrated into the network's layers and enable persistent surveillance, allowing the Joint and Coalition Warfighter to control time, space and the environment, while greatly enhancing survivability and lethality.

PEO IEW&S rapidly transforms requirements and validated field requests into reality and supports critical current operations, including: counter-improvised explosive devices (IEDs); aviation platform survivability; persistent ISR; and the Integrated Intelligence Architecture.

PEO IEW&S is responsible for a multi-billion dollar portfolio consisting of a combination of more than 80 Programs of Record and Quick-Reaction Capabilities. Addressing Soldiers' needs and providing them with capabilities in the most effective and financially responsible manner is paramount to our success. These systems are integrated with other intelligence assets into a system-of-systems architecture that provides ISR, force protection and RSTA collection capabilities, data repositories, services and exploitation capabilities across coalition boundaries.

Fielded assets range from airborne and ground sensors to the network connectivity and analyst tools used to exploit the large amounts of collected information. Headquartered at Aberdeen Proving Ground, Md., the organization has a presence at Ft. Belvoir, Va., Redstone Army Arsenal,



File photo

Soldiers assigned to Bulldog Battery, Field Artillery Squadron, 2nd Cavalry Regiment load a M777A2 Howitzer during 2CR's Maneuver Rehearsal Exercise at Grafenwoehr Training Area, Germany. The U.S. Army is nearing completion on a project to eliminate its dependency on foreign countries for a critical energetic component in artillery and mortar ammunition.

Ala., and Los Angeles AFB, Calif.
For more information, visit the PEO IEW&S website at <http://peoiews.apg.army.mil>.

(U.S. Army) Public Health Command (USAPHC)

The mission of the U.S. Army Public Health Command is to promote health and prevent disease, injury and disability of Soldiers and military retirees, their Families, and Army civilian employees; and assure effective execution of full-spectrum veterinary service for the Army and DoD. Headquartered at APG, the command provides public health services to DoD clients around the world through five public health regional commands and 14 districts.

For more information, call 410-436-1770 or visit the USAPHC website at <http://phc.amedd.army.mil/>.

R

(U.S. Army) Research, Development & Engineering Command (RDECOM)

To meet this commitment to the Army, RDECOM develops technologies in its six major research, development and engineering centers and the Army Research Laboratory.

As the Army's technology leader and largest technology developer, RDECOM also integrates technologies developed in partnership with an extensive network of academic, industry, and international partners.

Provides the Army with an organic research and development capability.

More than 14,000 Soldiers, civilian employees and direct

contractors form this world-class team. As part of that team, there are 11,000 engineers and scientists, many of whom are the Army's leading experts in their fields.

A fundamental characteristic of this workforce is the focus on the Soldier.

Whether providing technology solutions to meet current operational needs or developing break-through technologies for the next generation, RDECOM stands at the forefront of what the Soldier eats, wears, fires, flies or drives.

For more information, call 410-306-4489 or visit <http://www.army.mil/rdecom>.

S

(U.S. Army) System of Systems Engineering and

Integration Directorate (SOSE&I)

The SoSE&I Directorate, under Assistant Secretary of the Army for Acquisition, Logistics, and Technology (ASA) (ALT)), provides coordinated System of System (SoS) analysis, engineering and architectural and integration products to facilitate how the Army efficiently shapes, manages, validates and synchronizes the fielding of integrated materiel capabilities.

The SoSE&I Directorate is comprised of three main directorates:

- System of Systems Integration (SoSI)
- System of Systems Engineering (SoSE)
- Chief Information Officer (CIO)

The SoSI, through the SoS approach, synchronizes integration and interoperability across the Program Executive



File photo

The 2nd Brigade, 1st Armored Division brigade tactical operations center is pictured during NIE 14.1. The Army is working to "declutter" tactical operations centers and make them more mobile by consolidating hardware such as computers, servers and wires and converting several systems into software applications so the center operates more effectively for the commander with less equipment.

Offices (PEOs) and Army Programs of Record (PoRs), current force systems and other Doctrine, Organization, Training, Leadership, Personnel and Facilities (DOTLPF) elements, in order to achieve integrated capabilities for a full-spectrum force. SoSI is the material integrator for the Network Integration Evaluations (NIEs) and Capability Set (CS) fielding efforts.

For more information, visit <http://integration.army.mil/>

T

(U.S. Army) Test, Measurement and Diagnostic Equipment Support Center-Aberdeen

This A2LA accredited calibration facility calibrates and repairs all test, measurement and diag-

nostic equipment for APG and some DoD activities in the area, and all DA active-level radac located in 16 surrounding states.

For more information, call 410-278-4464 or visit <https://tmde-home.redstone.army.mil/>.

V

Veterinary Treatment Facility (APG) Directorate of Health Services

Provides veterinary support to DoD operations in area of responsibility, including veterinary food inspections, zoonotic disease management, military working dogs and pet wellness support for eligible beneficiaries (active duty and retirees) at Aberdeen Proving Ground. For more information, call 410-278-4604.



File photo (From left) The Pentagon Channel's Stephen Greisiger captures U.S. Army Research Laboratory Engineer Jared Wright as he prepares a glass container from molten glass he pulled from an extremely high temperature furnace. Size, shape and composition all play an important role in the behavioral and material response of glass on the total armor design.



File photo

The Joint Service Color Guard advances the colors during the retirement ceremony of a former Chairman of the Joint Chiefs of Staff. Services represented are, from left to right: Army, Army, Army, Marines, Navy, Air Force, Coast Guard, Marines.