



SOUTH POTOMAC PILOT

NEWS AND INFORMATION FOR THE NAVAL SUPPORT ACTIVITY SOUTH POTOMAC DEFENSE COMMUNITY



Link directly to the NSASP Facebook page on your smart phone

INSIDE:
NSWC IHEODTD
Winner of DoN
Innovation
Sustainment
Group Pitch
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Competition

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NSWC Dahlgren Employees Honored with NAVSEA Awards for Excellence

By **JOHN JOYCE**,
NSWC Dahlgren Division Corporate
Communications

Two Naval Surface Warfare Center Dahlgren Division (NSWCDD) engineers were honored for individual excellence while 52 others were commended for impacting excellent teams during a Naval Sea Systems Command (NAVSEA) Excellence Awards and Commander's Awards for Innovation ceremony at the Washington Navy Yard, July 19.

Dr. Mary Ann Cummings – one of two scientists who won the 2016 Naval Sea Systems Command (NAVSEA) Scientist of the Year Award – was recognized for an innovation that prepares warfighters for the unexpected. The patented software, called Orchestrated Simulation through Modeling (OSM), is now available for free to the Department of Defense.

“Although this award was given to me, it really belongs to my team,” said Cummings. “I may have been the team lead but it was their knowledge and software skills that made OSM a reality.”

OSM has already simulated myriads of warfare scenarios in exercises over the past year. “It was my vision to create war games for Fleet operators before a Fleet exercise,” said the NSWCDD scientist. “We can create simulations that show what could happen and take data from an exercise to show how that exercise might play out as a real event.”

NSWCDD engineer Karen Wingart was honored with the NAVSEA Women Moving Forward Award which recognizes efforts of those who promote equal



U.S. NAVY PHOTO

Navy engineers Jim Fetsko, Dr. David Hubble, and Mike Weisman (left to right) are flanked by Vice Adm. Thomas Moore, NAVSEA commander, and Jim Smerchansky, NAVSEA executive director at the NAVSEA Excellence Awards and Commander's Awards for Innovation ceremony. They are pictured after receiving the NAVSEA Team Excellence Award on behalf of their eight member all-Dahlgren NSWCDD 57mm Pressurized Air Catch System (PACS) Development and Test Team.

opportunity in the workforce and continually make significant positive impacts to the command's mission and readiness.

“She's the subject matter expert when it comes to Cooperative Engagement Capability (CEC) systems

for Ship Self-Defense Systems,” said NAVSEA Commander Vice Adm. Thomas Moore while announcing

See **Awards**, Page 9



U.S. NAVY PHOTO BY MASS COMMUNICATION SPECIALIST 2ND CLASS JONATHAN B. TREJO
Richard V. Spencer is sworn in as the 76th Secretary of the Navy by William O'Donnell, Department of the Navy administrative assistant.

Spencer is Sworn in as the 76th Secretary of the Navy

By Secretary of the Navy
Public Affairs

Richard V. Spencer was sworn in as the 76th secretary of the Navy (SECNAV) Aug. 3.

The ceremony was conducted in the Pentagon by William O'Donnell, Department of the Navy administrative assistant.

Spencer, a Connecticut native, graduated from Rollins College in 1976 with a Bachelor of Arts in Economics. Upon Graduation he joined the United States Marine Corps and served as an H-46 pilot until 1981 before departing active duty to enter the private finance sector.

He held many positions since he entered the private finance sector to include the president of Crossroads Investment Management LLC, chief financial officer at Intercontinental Exchange, Inc. and the managing director of Fall Creek Management, LLC.

For more information on Spencer, visit www.navy.mil/secnav or follow on www.facebook.com/SECNAV76 and www.twitter.com/secnav76.

For more information, visit www.navy.mil, www.facebook.com/usnavy, or www.twitter.com/usnavy.

For more news from secretary of the Navy, visit www.navy.mil/local/secnav/.

Commands Celebrate a Successful Diversity Day

By **HOLLY DODDS, PUBLIC AFFAIRS SPECIALIST**
NSWC Indian Head EOD Technology Division

Command and station personnel alike celebrated Diversity Day at the Naval Support Facility (NSF) Indian Head Mix House grounds, August 3. This observance was designed to enhance cross-cultural awareness and promote pride, teamwork and esprit de corps among military members, civilian workforce and their families. This year's theme of "United We Stand" was dedicated to celebrating the diversity and inclusiveness as a joint command.

"Our diversity of people and perspectives means we don't view a technical challenge through a single lens, which in turn helps come up with comprehensive solutions to some very complex problems," said Naval Surface Warfare Center Indian Head Explosive Ordnance Disposal Technology Division (NSWC IHEODTD) Technical Director Ashley Johnson. "Diversity is about inclusion, but the value of that inclusion to our Navy is more tangible than many realize. Diversity isn't just about doing the right thing, it's about strength."

The event was co-hosted by NSWC IHEODTD, Naval Support Activity South Potomac (NSASP), Naval Ordnance Safety and Security Activity (NOSSA), Naval Facilities Engineering Command (NAVFAC) Washington, Expeditionary Exploitation Unit One (EXU1) and partnered with Navy Morale, Welfare and Recreation (MWR) and the Naval Branch Health Clinic.

The event included cultural presentations from Living the American Indian Experience, University of Maryland, Baltimore County Adaa Bollywood Fusion Dancers, Hawaiian and Polynesian dance performers, BroadSound and cultural narration. Various ethnic food samples, including Caribbean-inspired flavored ice, were offered for employees.

"When we, as a Navy, work together to address the challenges facing our nation, each one of us brings a unique and valuable perspective to the table," said NSASP Commanding Officer Capt. Michael O'Leary. "If we don't value our diversity, we risk alienating members of our own Navy family and losing that perspective." O'Leary went on to challenge the workforce to mentally walk a mile in someone



U.S. NAVY PHOTOS BY MATTHEW POYNOR

A collage of images from the Naval Surface Warfare Center Indian Head Explosive Ordnance Disposal Technical Division 2017 Diversity Day event.

else's shoes and see things from other perspectives when possible.

"Take the time to appreciate your shipmates and understand that not always seeing things the same way is a sign of strength,

not weakness. We don't always need to agree, but we must always appreciate and respect one another, and do our utmost to live up to our American ideals," said NOSSA Capt. James Beene.

NSWC IHEODTD Selected as Winner of DoN Innovation Sustainment Group (DISG) Pitch Tank Competition

By NSWC IHEODTD Public Affairs

It's like "Shark Tank" for Navy scientists, with a substantial payout for a proposal that catches the eye of some of the Navy's top leadership.

Naval Surface Warfare Center Indian Head Explosive Ordnance Disposal Technical Division (NSWC IHEODTD) was recently selected as one of the winners of the DoN Innovation Sustainment Group (DISG) Pitch Tank following a January pitch session held at the Pentagon. The DISG Pitch Tank is operated by the Deputy Undersecretary of the Navy (Management) (DUSN(M)) Office of Strategy and Innovation and seeks to competitively award seed money to create or accelerate research and development areas in the areas of additive manufacturing (AM).

Dr. Samuel Emery, a research physicist with the command's Research, Development, Test and Evaluation Department's Dynamics and Diagnostics branch, provided a pitch focused on NSWC IHEODTD's potential large-scale development and production of energetic materials AM (EMAM) explosives and propellants.

"DUSN(M) was looking for innovative R&D proposals that could accelerate the exploitation of relevant technologies such as additive manufacturing," said Emery. "For us to be considered for selection, our proposal needed to tie to one or more of the five elements of the SECNAV's Innovation Vision and be supported by internal Navy sponsors."

After careful review of the 23 proposals pitched, the command's EMAM proposal was notified in May they were selected for funding. AM, also known as 3D printing, encompasses several technol-



U.S. NAVY PHOTO BY TODD FRANTOM

Dr. Sam Emery, a research physicist at NSWC Indian Head EOD Technology Division, discusses the command's ability to design and produce energetic materials by way of additive manufacturing with NAVSEA Executive Director James Smerchansky during his Aug. 1 visit.

ogies able to create 3D objects by adding material layer by layer. AM technology can allow for greater cost savings by enabling flat production costs per item produced, while also reducing the development life-cycle of a product through rapid prototyping.

In 2016, preliminary testing of printable plastic-bonded explosives (PBXs) demonstrated that AM produced PBXs formulations met conventional PBX qualification/certification thermo-me-

chanical requirements. According to Emery, the NSWC IHEODTD EMAM team prepared for this testing by acquiring the appropriate EMAM hardware, while also developing safety procedures and material testing protocols for any EMAM print articles.

"Our main objective moving forward is to produce an explosive charge that exploits the capabilities of AM technology to produce unique effects," said Emery.

The team's secondary objective is to produce a rocket propellant grain utilizing features only achievable by utilizing AM technology. Emery believes these internal features have the ability to release stored chemical combustion energy more efficiently, with the added potential of extending the range of rockets.

AM technology has several notable benefits over the traditional method of developing and producing explosives. Traditional explosive manufacturing formulations are limited in both formulations and availability of ingredients. Improvements to these already existing systems are often counterproductive due to the inefficiency and costs associated with updating the large scale manufacturing plants used to produce the explosives. The subsequent impact on product performance or munition safety is often negligible, as well.

"This is a great win for both the command and for the warfighter," said NSWC IHEODTD Technical Director Ashley Johnson. "The potential behind EMAM technology is limitless in the scope of potential savings, reliability, scalability and the effects on the battlefield. We're all incredibly proud of the research done by Dr. Emery and his team and their commitment to providing the warfighter an unfair advantage over the enemy."

NSWC Dahlgren Division Recruits Scientists and Engineers

BY JOHN JOYCE,
NSWC Dahlgren Division
Corporate Communications

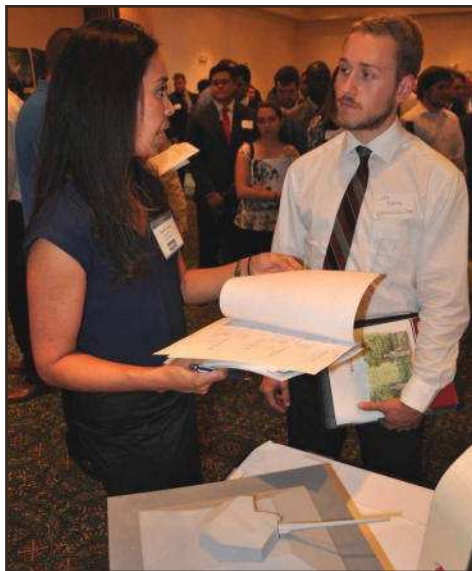
Naval Surface Warfare Center Dahlgren Division (NSWCDD) plans to make about 100 tentative job offers in the wake of a job fair held at the Fredericksburg Expo and Conference Center, the command's Human Resources Division announced Aug. 2.

Approximately 325 candidates with bachelor's, master's, and doctoral degrees in biology, chemistry, computer science, engineering, mathematics, and physics attended the July 18 event to inquire about positions available for entry-level and experienced scientists and engineers.

In addition to their conversations with NSWCDD human resources specialists, the candidates discussed career opportunities in detail with scientists and engineers representing the command's six technical departments.

"The Dahlgren Human Resources Office was extremely pleased with the candidate turnout and with how well the event went," said Ally Regan, NSWCDD Staffing and Classification Branch head. "We are thankful for the support of our command leadership and technical departments. The success of the event was truly a team effort and we look forward to hosting additional job fairs in the future."

The command — the largest among the Navy's surface and undersea Warfare Center divisions — is a premier research and development center that serves as a specialty site for weapon system integration. The command's unique ability to rap-



U.S. NAVY PHOTO BY JOHN JOYCE,
NSWC DD CORPORATE COMMUNICATIONS

idly introduce new technology into complex warfighting systems is based on its longstanding competencies in science and technology, research and development, and test and evaluation.

"NSWC Dahlgren provides scientists and engineers with unique and challenging work," said Regan, recently selected to be the command's next Human Resources Division head at a date to be announced. "We are excited to continue to grow our workforce and onboard many of the talented candidates we met at the 2017 job fair. Our hope is that they find our organization welcoming and a place where they can expand their technical and academic knowledge."

The last NSWCDD job fair was held in 2009.



U.S. NAVY PHOTO BY JOHN JOYCE, NSWC DD CORPORATE COMMUNICATIONS

A job candidate speaks with a Naval Surface Warfare Center Dahlgren Division (NSWCDD) representative about career opportunities at an NSWCDD job fair. The command's Human Resources Division announced Aug. 2 that it plans to make about 100 tentative job offers to candidates who attended the event.

The command intends to recruit candidates at career fairs hosted by surrounding colleges and universities, Regan said, adding that it's possible the next command sponsored career fair — similar to the July event in Fredericksburg — may occur in early 2018.

CSCS Hosts Strategic Off-Site Meeting

By KIMBERLY M. LANSDALE,
Center for Surface Combat Systems

All 15 Center for Surface Combat Systems (CSCS) learning sites and detachments located throughout the continental United States, Hawaii, Spain, and Japan assembled for their annual strategic off-site meeting, hosted this year by CSCS Unit Great Lakes, onboard Naval Station Great Lakes, Jul. 25-27.

The strategic off-site meeting provided commanding officers (COs) and officers in charge (OICs) an opportunity to discuss current training initiatives and the future of surface combat systems training.

CSCS Commanding Officer, Capt. Frank Castellano, led the focus of the meeting.

"Our objective for these three days is to discuss our training process," Castellano explained. "This includes Ready Relevant Learning (RRL), Block Learning (BL), Strategic Rating Reviews (SRR — formally known as Combat Systems Strategic Training Ratings Reviews), instructor manpower concerns, Program Objective Memorandum (POM) inputs, and new training technology. Most importantly, this off-site gives us all a chance to come together from across the CSCS domain and interact with each other."

CSCSU Great Lakes Commanding Officer, Cmdr. Scott Dancer, hosted the 50 attendees and provided a three hour in depth tour of his schoolhouses.

"This is where surface combat systems training begins," Dancer said. "I was pleased to be able to provide the sites and detachments the opportunity to see firsthand how we train over 8,000



U.S. NAVY PHOTO BY COMMUNICATIONS ELECTRICIAN 2ND CLASS
JUSTIN LOWE, CSCS UNIT GREAT LAKES

During the Center for Surface Combat Systems (CSCS) annual strategic off-site meeting, CSCS Unit Great Lakes provides a tour of their schoolhouses to attendees, like CSCS Training Deputy Lt. Cmdr. Michelle Wiggins, so they can see first hand how they train more than 8,000 enlisted Sailors a year in the basic skills to correctly maintain, operate, and if necessary, fight surface ships

enlisted Sailors a year in the basic skills to correctly maintain, operate, and if necessary, fight our surface ships."

During the tour, the group observed Surface Common Core (SCC), Apprentice Technical Training (ATT) for eight enlisted rates, and "A" and "C" schools.

The off-site also included overviews from CSCS Headquarters'

department heads and sites and detachments, a facilities update on all 52 infrastructures CSCS maintains, a Knowledge Management strategy for the domain, area visits, domain safety, an open forum to discuss training needs, and new technology initiatives.

Acting CSCS Executive Director (technical) and Technical Support Director, Mr. Brian Deters, provided a Virtual Maintenance & Material Management (3M) demonstration to show how CSCS is incorporating new methods of instruction to support High-Velocity Learning.

"This training tool will enable Sailors to refresh their 3M knowledge, better their troubleshooting and maintenance skills, and be exposed to the procedural compliance culture," Deters explained. "We hope to deliver this self-paced trainer to assigned schoolhouses in August."

As the off-site concluded, Castellano reemphasized CSCS' mission to his COs and OICs.

"Our mission is to develop and deliver surface ship combat systems training to achieve surface warfare superiority," he said. "Bottom line — training is our mission. Improving surface warfighting readiness is our ultimate goal."

CSCS provides over 528 courses, awards 116 different Navy Enlisted Classifications (NECs), and trains more than 37,000 Sailors a year. CSCS delivers specialized training for Officer and Enlisted Sailors required to tactically operate, maintain, and employ shipboard and shore-based weapons, sensors, and command and control systems utilized in today's Navy.

For information on the Center for Surface Combat Systems, visit <https://www.netc.navy.mil/centers/cscs/>

BASE HAPPENINGS

What's Going on Inside the Fenceline?
Dahlgren

Second Tour Thrift Store

The store offers a wide assortment of quality used items at incredibly low prices. The store is located at 722 Sampson Rd., and is open Thursdays from 10 a.m.–2 p.m. for all shoppers with base access. 'Like' on Facebook @DahlgrenSecondTour

Our Daily Bread Giveaway

The Chapel provides a bread and baked goods giveaway, with donations from Walmart at the Chapel Annex on Tuesdays beginning at 11 a.m. For any questions contact the Chapel at 540-653-8297.

End of Summer Community Party

On Aug. 12, from 4 – 9 p.m., join the Dahlgren Chapel community on the Parade Field in an end of summer celebration! Enjoy live music from Mars Hill and Urgency Band, good food, lots of fun activities and games. Contact the Dahlgren Chapel for more information.

Armed Services Blood Program Blood Drive

Blood shortages are at an all-time high! Donate on August 14 from 9 a.m. to 1 p.m. at the NSF Dahlgren Chapel Annex. Appointments can be made online at militarydonor.com using sponsor code: NSF. Walk ins welcome! For more information email donna-lee.onwona.civ@mail.mil

Feds Feed Families Food Donation Event

Bring your non-perishable food donation for the Feds Feed Families food drive and drop it off at the Parade Field Pavilion on Aug. 23 from 11 a.m. – 1 p.m. All food collected benefits the base food bank. Recommended donations include soups, stews, chili, canned meats, peanut butter, canned foods with pop-top lids, boxed dinners, olive or canola oil, spices, low-sugar whole grain cereals, healthy snacks, pasta and spaghetti sauce.

Community Yard Sale Aug 26

Bring your used treasures and sell them at the Dahlgren Community Yard Sale on Aug 26 8 am – noon at the MWR Admin Office, Bldg 205 on Dahlgren Road. Reserve two tables with chairs for \$10. Activity duty receive first 2 tables free. Space is limited, call to register today, 540-653-8785. Sell or shop!

Indian Head

Beat the Rush! Don't Wait!

Appointments are available now for school and camp physicals for next school year. Call 301-744-4686 to schedule at Branch Health Clinic Indian Head.

Market Fresh Bistro Now Serving Lunch

The Market Fresh Bistro at the Naval Support Facility (NSF) Indian Head Community Recreation (ITT) and General Library is proudly serving Starbucks beverages and breakfast staples as well as freshly made lunch items. The facility is open Monday – Friday, 6 a.m. – 2:30 p.m.

To publish information on your event or program under "Base Happenings," contact Andrew Revelos at 540-653-6012 or email Andrew.revelos1@navy.mil.

Local Events on Both Sides of the Potomac Dahlgren 7th Annual Patriotic Palooza

Aug. 12 from 4 – 8 p.m. at Barnsefield Park Enjoy the end of summer at the Patriotic Palooza complete with DJ, petting zoo, face-painting, touch-a-truck, trackless train, moon bounce, mechanical bull, swings, food, crafters and vendors, carnival games, home run derby and more!

National Day of Remembrance Volunteers Needed

Volunteers are needed Sept. 9 from 8:30 a.m. – noon at the Historic Congressional Cemetery at 1801 E. Street SE in Washington D.C. to remove weeds, clean headstones, re-set headstones, place mulch around trees as needed, weed swale, clean chapel, perform minor landscaping and paint fences. Volunteers will receive T-shirts and lunch. For questions regarding the weather call 202-543-0539 and listen to the recording. All other questions can be directed to Naval District Washington Regional Community Service Program at 202-433-6854 or at the email listed below. Volunteers interested should send an email to olivia.hunter@navy.mil.

Combat Veterans Motorcycle Association Meetings

Southern area (King George/Dahlgren/Colonial Beach) Combat Veterans Motorcycle Association (CVMA) bike night are meeting the 4th Thursday in Fredericksburg at Brock's. If interested in CVMA, the support they provide or want to donate contact Jeremy.Cannedy@gmail.com. For

more information visit <http://cvmavirginia27-2.org>
Scholarship Available For Active Duty, Spouses and Vets at UMW

UMW is excited to announce a Military Scholarship that will provide qualified active duty service members, their spouses, or honorably discharged veterans the opportunity to receive a 25% military tuition scholarship for graduate degree programs: Master of Business Administration, Master of Education and Master of Science in Geospatial Analysis. Please contact the Office of Graduate Admissions to receive full scholarship information at 540/286-8000 or email graduate@umw.edu.

Indian Head Free Fishing Classes Available to Youth at Gilbert Run Park

Are you between the ages of six and 15 and interested in learning how to fish? The Charles County Department of Recreation, Parks and Tourism is hosting free fishing classes at Gilbert Run Park (13140 Charles Street, Charlotte Hall). Classes are 9:30 a.m. – noon on Thursday, Aug. 24. This is a great opportunity for children to learn the basics of fishing and have fun. Prior fishing experience is not needed. Bait and tackle will be provided. Pre-registration is required and class size is limited. To register, visit <https://webtrac.charlescounty.org>. For additional information, call the Gilbert Run Park office at 301-932-1083. Citizens with special needs may contact the Maryland Relay Service at 711, or Relay Service TDD: 800-735-2258.

Free and Secure Document Shredding Offered on Aug. 19

The Department of Public Works is providing free, secure, on-site shredding services on Saturday, Aug. 19 from 9 a.m. to noon in the Regency Furniture Stadium parking lot (11765 St. Linus Drive, Waldorf), home of the Southern Maryland Blue Crabs. Shred Event • Free, secure, on-site shredding services available from 9 a.m. to noon. • Bring up to five boxes (per vehicle) of personal documents for shredding and recycling. • Event is for Charles County residents only. • For more information, call the Department of Public Works' Environmental Resources Division, 301-932-3599 or 301-870-2778. For additional information, visit www.charlescounty.gov/Outreach

Maryland Tax-Free Week August 13 – 19

During this week, qualifying apparel and footwear \$100 or less per item, are exempt from the state sales tax. Accessory items are not included.

List of tax exempt items: http://comptroller.marylandtaxes.com/Public_Services/Agency_Information/Office_of_the_Comptroller/Comptroller_Initiatives/Shop_Maryland_Tax-free_Week/TaxableItems.pdf

More info: http://comptroller.marylandtaxes.com/Public_Services/Agency_Information/Office_of_the_Comptroller/Comptroller_Initiatives/

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CNIC Visits NSF Indian Head



U.S. NAVY PHOTO BY ANDREW REVELOLOS

Vice Adm. Mary Jackson, Commander, Navy Installations Command (CNIC) greets Cecellia Kitson, director of Child and Youth Programs at Naval Support Facility (NSF) Indian Head, and Jim Feldman, director of MWR and Fleet and Family Readiness, during Jackson's tour of the installation July 27.



SOUTH POTOMAC PILOT

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www.dcmilitary.com/dahlgren

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be submitted by noon on Friday to be considered for the following week's edition. All material is edited for accuracy, brevity, clarity, and conformity to regulations. To inquire about news copy, call 540-653-8153 or fax The South Potomac Pilot at 540-653-4269. Commercial advertising may be placed with the publisher by calling 301-848-0175.

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Aquatics Center

540-653-8088

Open Rec Swim

New Open Rec Swim hours begin Tuesday, Sept. 5, 2017 weekdays from 3 to 6 p.m. and Saturdays from noon to 3 p.m. Cost: Active duty/retired military, FREE. DoD Civilian, \$5.00. Contractors/guests, \$6.00. Children 5 years and younger, FREE.

Auto Skills/Outdoor Recreation

540-653-4900

Outdoor Recreation offers a selection of recreation equipment for fishing, camping, picnics, sporting equipment and special events. Download the Outdoor Recreation Gear Issue & Equipment Rental price list, Moon Bounce and Travel Trailer Rentals from www.NavyMWRDahlgren.com/recreation and select Outdoor Recreation Rentals.

New Driver Class

August 21, 4 – 6 p.m.

Whether you're just learning to drive or want to know more about vehicle maintenance, join Auto Skills every third Monday for our New Driver Class. Learn the basics of fluid checks, air pressure, changing a flat and oil changes. Know the warning signs and gain knowledge with hands-on experience with your own vehicle. Cost: Free

Cannonball Lanes Bowling Center

540-653-7327

Games: Military \$3.00, Civilian \$4.00. Hourly Bowling: Military \$20.00, Civilian \$25.00 Shoe Rental: Military \$1.50, Civilian \$2.50.

Sunday Special

Sundays, 11 a.m. – 9 p.m.

Join us every Sunday for \$2.00 games and \$1.00 shoe rentals!

Ten Dollar Tuesdays

Tuesdays, 11 a.m. – 9 p.m.

Every Tuesday, get a lane for one hour of bowling for ten dollars!

Buy a Game, Get a Game Wednesdays

Wednesdays, 11 a.m. – 9

p.m.

Every Wednesday, buy one game; get the second game for free!

All-U-Can Bowl Fridays

Fridays, 7 p.m. – 11 p.m.

Join us every Friday for a two hour, all you can bowl special! Cost: Military \$6.95/person; Civilian \$7.95/person. Both rates include shoe rental.

Cosmic Bowling

Saturdays, 7 p.m. – 11 p.m.

Enjoy music and lights while bowling!

Youth Bowling League

Youth ages 5 to 20 are invited to join the new league this fall, have fun and meet new friends, with an opportunity to earn college scholarship money! No experience is needed. Coaching will be available. A parent information meeting will take place along with league registration on Saturday, Aug. 26 at 10 a.m.

Child & Youth

CDC I 540-653-4994 /

CDC II 540-653-4342

YAC 540-653-8009

Military Child Care Open Enrollment

There's a new way to request care for School Age Care (SAC) and Summer Camps! Families can now use MCC to request care for SAC programs and Summer Camps all year long. The online system allows you to search for and submit unlimited SAC and Summer Camp requests at any time of the year without waiting for registration to begin! To register and learn more about MCC, visit MilitaryChildCare.com

Community Recreation

540-653-8785

Bunco Night

August 24, 5 – 7 p.m.

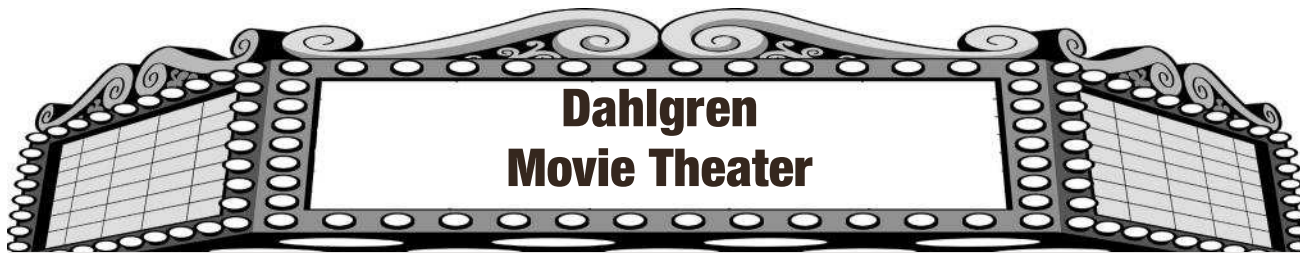
Location: Multipurpose Room

Community Recreation is hosting a Bunco Night at Cannonball Lanes Multipurpose Room and you're invited! Door prizes and other non-monetary prizes will be awarded. Open to all with base access, ages 18 and older. Seating is limited, so register at Tickets and Travel. Onsite registration is first come, first serve. Cost: \$5.00 per person

Community Yard Sale

August 26, 8 a.m. – noon

Location: MWR Admin Office We're closing out the summer with a Community Yard



Dahlgren Movie Theater

540-653-7336

Price of Shows

Civilian: \$5.00. Active Duty, Retired & Reserve Mil E7 & above & their family members with ID: \$4.00. E1-E6 & below & their family members with ID: \$3.00. Children (6-11): \$2.00 Children (5 and under): FREE. *Movies shown in 3D will cost an additional \$1 to ticket price.

- Friday, Aug. 11 7 p.m.** **Wish Upon PG-13**
- Saturday, Aug. 12 4 p.m.** **Transformers: The Last Knight PG-13**
- Saturday, Aug. 12 7 p.m.** **Spider-Man: Homecoming PG-13**
- Sunday, Aug. 13 2 p.m.** **Dawns of the Planet of the Apes (FREE ADMISSION) PG-13**
- Sunday, Aug. 13 4:30 p.m.** **War for the Planet of the Apes PG-13**
- Monday, Aug. 14 1 p.m.** **Despicable Me 3 PG**
- Friday, Aug. 18 7 p.m.** **Girls Trip R**
- Saturday, Aug. 19 4 p.m.** **Spider-Man: Homecoming PG-13**
- Saturday, Aug. 19 7 p.m.** **Baby Driver R**
- Sunday, Aug. 20 2 p.m.** **Valerian and the City of a Thousand Planets PG-13**
- Sunday, Aug. 20 4:30 p.m.** **Dunkirk PG-13**

For movie listings online, visit www.NavyMWRDahlgren.com/recreation and select the Dahlgren Theater.

Sale! Whether you're shopping or selling we look forward to spending the morning with you. Spaces are limited. Reserve two tables and chairs for \$10. Active-duty receives the first two tables for free. For more information and to register call the Tickets & Travel Office at 540-653-8785.

Universal Orlando Resort Military Salute

U.S. Service Military members get four days for the price of one! Valid for purchase by eligible service members including active duty, retired military service members, DoD civilians and/or spouses. Offer will be available for purchase through Dec. 28 and must be used by Dec. 31. Purchase now at the Tickets & Travel office.

Go City Cards

One person, one card, multiple opportunities! Go City Cards and Explorer Passes include admission to multiple attractions for one low price! Save up to 55% on theme parks, tours, museums and more versus paying at the gate. You choose attractions as you go from cities such as Boston, Chicago, D.C., Las Vegas, Los Angeles, San Diego, Orlando, Oahu, Miami and more.

NDW Patriots Day at Kings Dominion

Sunday, September 10 Join Naval District Washington for a private event at Kings Dominion. Military and DoD Civilian personnel will enjoy a day of exclusive access to the

park, free parking and hardly any wait times! Cost: \$27 per person through Aug. 31. Tickets can be purchased online at <http://kingsdominion.com/save>. Ticket prices will increase after Sept. 1.

Craftech

540-653-1730

Craftech offers a variety of services including framing and matting, engraving on plaques, metals, glassware, leather, stone and more, embroidery, flag and shadow boxes, Tiffany style stained glass, fusing, bottle slumping and firing.

For more details, visit www.NavyMWRDahlgren.com/recreation and select Craftech.

Back to School Embroidery Sale

August 1-28

It's that time of year again! Be prepared and be organized this year. Bring your school items to Craftech for personalization. Names can be embroidered or engraved on items such as backpacks, pencil cases, lunch boxes/totes, jackets, baskets and more! Custom personalization starts at just \$6.00! Open to all with base access.

Beginner Stained Glass

Begins August 31, 4 – 6 p.m.

During this four-week, beginner stained glass class you will be designing a glass panel with a fall theme. Register at Craftech by August 25. Cost: \$35.00, all materials will be provided.

Fitness Center

540-653-8580

Visit us online at www.NavyMWRDahlgren.com/fitness-sportsto to view the Group Exercise schedule, 2017 Race Series schedule, upcoming classes and leagues!

Pump N Run

August 16, 11 a.m.

Join us for the ultimate workout with a 1.5-mile run AND bench press competition. Fifteen seconds will be taken off your run time for each bench press repetition. Rain Date: August 17 Cost: Active duty, Free. All others, \$5.00

Fall Intramural Sports

League play begins in September! Fall sports include soccer, men's softball, co-ed softball and flag football. Organizational meetings will be held in August. A tennis tournament is also scheduled for Sept. 1. For more information visit www.NavyMWRDahlgren.com/fitness-sports.

Chiefs vs. Chiefs Select Softball Game

September 1, 2 p.m. Rain Date: September 8

Location: Duke Field

Join us at Duke Field for a Chiefs vs. Chiefs Select baseball game! Cost: Free

Sprint Triathlon

September 9, Check in at 7 a.m. Race begins at 8 a.m.

Swim 1/2 mile, bike 12 miles, and run 3.1 miles! Check-in begins at 7 a.m. and the official race begins at 8 a.m. We will hold two waves with a

maximum of 25 participants in each wave. Awards will be given for top male and female active duty finishers and for top male and female finishers in the following age category: 25 and under, 26-39, 40 and up. Must be 16 years old and up to compete. Must pre-register at the Fitness Center. Cost: Active duty, \$20.00. All others, \$30.00

General Library

540-653-7474

Storytime at the Library

Wednesdays at 4:45 p.m. and Fridays at 10 a.m.

Play, learn, & explore together! Join us at the library for songs, stories, crafts, and play-time! Wednesday evening will be STEAM story times with fun experiments geared towards pre-school and kindergarten children. Friday story times will include baby geared songs as well as books and crafts for pre-school ages. Cost: Free

Solar Eclipse Party

August 21, 1:30 – 2:30 p.m.

Location: Parade Field

Watch the solar eclipse with us! Free activities for kids and safety glasses for all. Cost: Free

STEM Club: Robotic Hands

August 28, 4 p.m.

STEM club is back! This month join us at the General Library as we use robotic hands. Cost: Free

Liberty

540-653-7277

The Liberty Center and all



Register at one of these featured locations near you. Look for the entry box with a cruise ship at these local businesses and fill out an entry form by Friday, August 18, 2017.

Cruise winner will be drawn by Friday, August 25th. Winner will be notified by phone.



Bahamas Cruise GIVEAWAY
Wednesday, July 19 - Friday, August 18, 2017

HOW IT WORKS:

You will have the chance to register to win a 7 night Bahamas Cruise on Carnival Cruise Lines for the best available cabin sailing out of the Port of Baltimore. OR you have the chance to register to win a 5 night Bermuda Cruise on Royal Caribbean for the best available cabin sailing from Port of Baltimore available through Sept. 30, 2017.* Or to the Bahamas from Cape Canaveral, Miami or Ft Lauderdale with options available. Cruises include entertainment, some beverages and most meals. Trips based on double occupancy, space subject to availability at booking, options available - check with cruise director. Includes taxes and surcharges, 2 adults sharing same cabin stay FREE. *(this is your quick trip option)

Vacation Contest Sponsored by:

The Star Democrat • Kent County News • Dorchester Star
Cecil Whig • Bay Times • Times-Record • Record Observer
The Dundalk Eagle • The Calvert Recorder • The Enterprise
Maryland Independent • Andrews Gazette • The Pentagon
South Potomac Pilot • The Quarterdeck

For more information please call 410-770-4157 or visit the following sites:
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301-868-1121 www.surrattmuseum.org

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Myeasternshoremmd.com • Somdnews.com

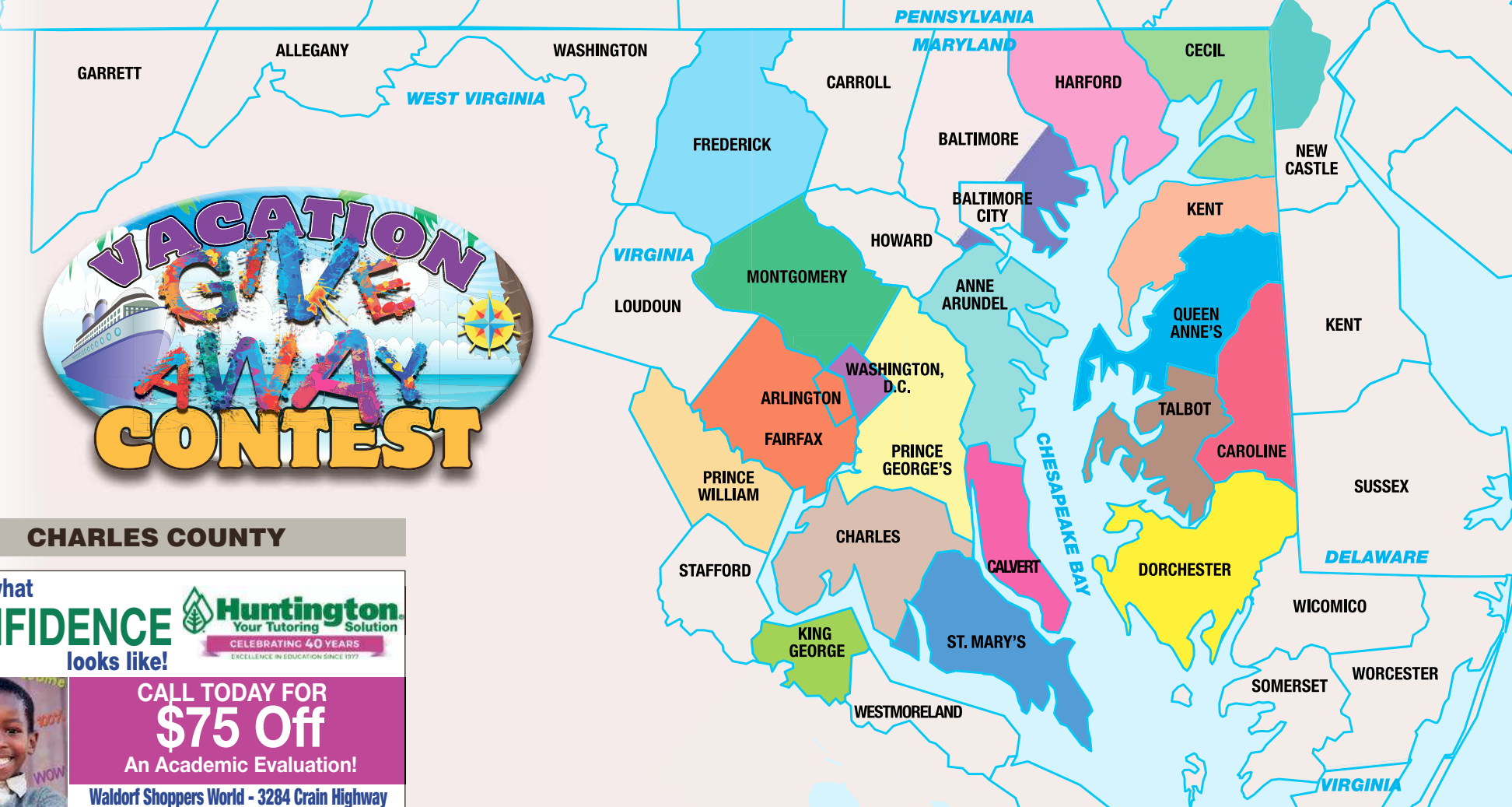
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MWR

Continued from page 5

activities are for Liberty Center Patrons Only: E1-E6 single/unaccompanied active duty military.

Free Movie Friday

August 11, 10 p.m.
Join us at the Base Theater, Enjoy a free movie, candy, drink, and popcorn on us!

D.C. Zoo Trip

August 12, Depart at 8 a.m.
Let Liberty take you to the Smithsonian National Zoological Park. Cost: Free

Movie on the Lawn!

August 15, 9 p.m.
Meet Liberty on the parade field for a movie under the stars.

Wing Wednesday & Trivia

August 16, 3:30 p.m.
Come eat free wings provided by Gray's Landing while you play a round or two of trivia.

Game Night

August 18, 3 – 10 p.m.
Stop by the Liberty Center for a night full of board games and video games!

NYC Trip

August 19–20
Enjoy an overnight trip to NYC for the weekend! We have a fun-filled itinerary planned for you. Cost: \$60 per sailor, \$30 water park ticket, free transportation



Indian Head Child & Youth

CDC 301-744-4458
CYP 301-743-5456

Say it With Music Celebrity for a Day Summer Experience

August 14 – 18

Registration open now!

If you can rap, sing, or write poetry, then you can be a celebrity for a day and record your vocals using a professional recording studio! Make a CD! After you create the song, you will film a music video that will be on YouTube or Vimeo! For more information contact the Youth Activities Center at YC.NSASP-INHD. fct@navy.mil

Teen Open Recreation

Open to ages 13 – 18 from 6:30 – 10:30 p.m. Contact the Youth Center for more information.

Youth Open Recreation

Open to ages 5 – 12 from 6:30 – 10 p.m. Contact the Youth Center for more information.

Indian Head Community Recreation Center

301-744-4850 or 301-744-4648

Storybook Yoga

Thursdays from 10:30 – 11 a.m.

Let's have fun with books, get energized and mimic nature and the world around us using our bodies. Open to children and their parents, grandparents and caregivers! Cost: Free

Make a Car(board) Clinic

Aug. 17, All day
The Community Recreation Center is hosting a Drive-In Movie night for our littlest customers. Drop-in to make a car out of cardboard and bring it to the Ben Rand Football and Track Field to watch a movie. We provide all the supplies. You bring the car to the movies. Open to all with base access.

Ages 2-5. Older kids can participate with younger siblings.

Drive-In Movie Night

Aug. 18, 8:00 p.m.

The Community Recreation Center is hosting a Drive-In Movie night for our littlest customers. Bring your car to the movies to see Trolls. Open to all with base access. Ages 2-5. Older kids can participate with younger siblings. Movie refreshments will be served.

Backpack Giveaway

Aug. 28, 11 a.m. – 1 p.m.

Back to School backpack giveaway and fun- includes a magic show, balloon twist, and more.

Shakes & Skates Day

Sept. 7, 4:30 – 8:30 p.m.

Let's kick-off the school year with a...ROLL and some tasty shakes. Bring your own skates or borrow ours! Skating rink opens at 4:30 pm until 8:15 pm. Makes this a fun family affair!

All Day Play-Doh

Sept. 15, 10 a.m. – supplies run out

September 16 is National Play-Doh Day. This is an opportunity for everyone, whether a child or simply young at heart, to celebrate this iconic modeling clay. We will have Play-Doh available for everyone between 10 am-5 pm. Drop-in to make your own colorful Play-Doh (pre-made, just add food color and take home, while supplies last) or hang-out to play and a creation to display.

Sciencetellers presents Pirates Lost at Sea!

Sept. 19, 5:00 p.m.

Ahoy! Set sail with us on a thrilling action-packed adventure about a crew of quirky pirates marooned on a desert island. With mutiny and high-tide looming, they

must rescue their salty captain and find a way to build a new ship before all hope is lost . at sea! Explore the incredible science behind clouds, combustion, air pressure and more. Do not miss this refreshing nautical tale with a twist! All ages.

Peace Day: Tie Dye Shirts & Lava Lamps

Sept. 21, 5:30 p.m.

September 21 is known as the International Day of Peace! We are going hippie style with tie dye shirts and throwing in a STEAM activity of lava lamps. PLEASE NOTE: Registration is highly recommended for this event. Please indicate t-shirt size when registering.

Banned Book coasters

Sept. 27, 5:30 p.m.

Come celebrate Banned Books Week (September 24-30) by making easy DIY coasters to hold your drinks. PLEASE NOTE: Registration is highly recommended. Limited supplies and space!

Storytime Play Dates

Tuesdays at 10:30 – 11:30 a.m.

Parents grab a cup of coffee and mingle with other moms for play dates at the library. First 10 minutes will be a story, song, and a rhyme followed by free play time. For Toddlers and Preschoolers.

Pocono Whitewater Rafting in PA

Saturday, Sept. 2

Call 301-744-4850 for details and pricing.

Renaissance Festival in Crownsville, Md.

Saturday, Sept. 23, 9 a.m.

Call 301-744-4850 for details and pricing.

Build Your Own Burger Day

Sept. 18, 11 a.m.-1p.m.

Drop-in during your lunch break to grab a hamburger and add on the delicious top-

pings. It's Five Guy but with an MWR twist.

Indian Head Globe & Anchor/ Tiki Bar

301-744-6487

Make sure to LIKE us on Facebook to see the exciting drop-in events throughout the month.

Indian Head Liberty Center

301-744-4524

Indian Head Stars & Strikes Bowling Center

301-744-4761

Games: Military \$2.00/game; Civilian \$3.00/game; Shoe Rental \$1.00

Party Rental

Rent Stars & Strikes for your next celebration and let us help you throw a bowling bash that your guests will rave about! Cost: 2-hour rental prices are \$60 for military and \$70 for civilians. Price includes 4 private lanes, shoes, cosmic lights and a whole lot of fun!

Open Bowling

Fridays and Saturdays, 5 – 10 p.m.

Bored on the weekends? Look no further. Stars & Strikes Bowling Center offers open bowling on Fridays and Saturdays.

Lunchtime Bowling

Wednesdays, 11 a.m. – 1 p.m.

It's time to enjoy your lunch! Take a break from the office and unwind with a game or two of bowling! Want a quick bite while you play? Visit us online for the menu and to contact Stars & Strikes for more information.

Cosmic Bowling

2nd and 4th Saturday, 5 – 10 p.m.

What glows in the dark and

is too much fun to miss? Cosmic bowling at Stars & Strikes Bowling Center!

Bowling Leagues

Now Forming

Leagues will be made up of mixed teams of four and substitute bowlers for the upcoming season. Contact Stars and Strikes for pricing and information.

Indian Head Weight House Fitness Center

301-744-4661

Navy-Air Force Half-Marathon

Race Date: Sept. 17, starts at 7:00 a.m.

Online Registration Closes: Sept. 10, 2017

Late registration will be accepted at packet pick-up

Start/Finish Location: Washington Monument, 2 15th Street NW Washington, DC 20024

Race Distance: 13.1 Miles and 5 Miles

Level: Beginner – Advanced

Register at <http://www.navy-half.com/registration>

Navy Youth Swim Test

To attain full access to the Aquatics facility, including slides, diving board and other recreational activities, all youth, 17 and under, must successfully pass the Navy Youth Swim test. Must be able to tread water for a minimum of 60 seconds, jump into the deep end of the pool and return to the surface, swim one pool length (minimum 25 feet) unassisted and without rest using a recognizable swim stroke for the entire distance and exit the pool unassisted. For more information contact the Aquatics Center at 301-744-4616 or the Fitness Center at 301-744-4661. Adult Swim Clinic

Notes

Continued from page 4

Shop_Maryland_Tax-free_Week/

La Plata Summer Concert Series

The weekly concerts take place Friday evenings on the lawn at La Plata Town Hall from 7-9 p.m. Concert-goers are encouraged to bring blankets and lawn chairs. Coolers are allowed, but no alcohol.

Concessions are available from the Town's food trailer located near the back of the parking lot and an ice cream truck. Play area for children. This week's concert features Max Impact. Max Impact is the premier rock band of the United States Air Force. Commissioned in 2005, the band's seven members perform exciting original music, rock, country, patriotic favorites as well as classic and current pop hits.

Kayak Tours Available at Mallows Bay Park

The Department of Recreation, Parks, and Tourism is

offering Sunday kayak tours at Mallows Bay Park. Paddle through the World War I Ghost Fleet while observing the park's unique wildlife and historic and cultural features. All tours will be led by an experienced and knowledgeable guide. Fee includes introductory kayak lesson, guided tour, tandem kayak (two-person), paddle, and a personal flotation device. No experience is necessary and the pace is very relaxed. A single person or odd number parties will be paired with others. This event is open to participants 8 years

of age and older. Participants between the ages of 8-17 must be accompanied by an adult.

Tour Dates and Times:

Aug. 27

Sept. 10 and 24

Oct. 8 and 22

Morning Tours: 9 a.m. – noon \$75/person Afternoon Tours: 1 p.m. – 2:30 p.m. \$45/person Register On-Line at www.CharlesCountyParks.com. For more information call the Department of Recreation, Parks, and Tourism at 301-932-3470. Citizens with special needs may contact the Maryland Relay Service

at 711, or Relay Service TDD: 800-735-2258.

Clear the Tri-County Animal Shelter Adoption Day

On Aug. 19 the shelter is participating in the Clear the Shelter adoption event and will waive all adoption fees on this day. Clear the Shelter helps address overcrowding in shelters and offers local families the opportunity to adopt an animal in need.

Warm Weather Safety

During the warm weather, remember to never leave pets in cars. Your vehicle can quickly reach a temperature that puts

your pet at risk of serious illness and even death. Anytime your pet is outside, protect them from the heat and sun and provide access to shade and plenty of fresh water.

Free Spay/Neuter Clinics

Are you income-disadvantaged and own pets? You may qualify for free altering of pets. Call Paw Prints Animal Hospital at 301-885-0263 or Humane Society of Charles County at 301-645-8181 for more details.

Awards

Continued from page 1

Wingart was selected for the award in April. "She teaches at her church," the admiral wrote, adding that Wingart, "takes part in Swim Across America which brings together swimming groups to help raise money to fight cancer, volunteers at a food bank, is a triathlete, a Navy reservist, a mother and a mentor."

The award encourages women to advocate for growth and development opportunities in employment and recognizes professional, community and leadership values that inspire others to strive for excellence in pursuit of their goals.

Moreover, Moore and Jim Smerchansky, NAVSEA executive director, presented the NAVSEA Team Excellence Award to three teams comprised of scientists and engineers from Dahlgren.

The eight member all-Dahlgren NSWCDD 57mm Pressurized Air Catch System (PACS) Development and Test Team— Cynthia Holland, Dr. Jon Yagla, Dave Houchins, Dr. David Hubble, James Fetsko, Dr. Wayne Chepren, Michael Weisman, and Mark Kristofik – designed, developed, manufactured and successfully tested 57mm PACS in a 16 month timeframe.

"The project was conceived and executed completely in-house," said Fetsko. "The product of this work is a test capability which will allow gun projectile developers the ability to subject their guided projectile hardware to the 57mm tactical gun-launch environment and recover their fired projectile for hands-on survivability and functional assessment."

The PACS team was inspired by the Secretary of the Navy's challenge to bring distributed lethality to his ships. In response, the Dahlgren team created a new way of testing guided projectiles in order to increase the precision and lethality of guns aboard Navy warships. They invented a gas dynamics model to predict the behavior of projectiles inside a 250-ft long tube, ensuring successful recovery. Multiple projectiles can be recovered each test day, significantly decreasing testing costs. The 57mm



U.S. NAVY PHOTO

Dr. Mary Ann Cummings is flanked by Vice Adm. Thomas Moore, NAVSEA commander, and Jim Smerchansky, NAVSEA executive director at the NAVSEA Excellence Awards and Commander's Awards for Innovation ceremony.

PACS has gone from concept to operational capability in just over a year and in its first six months of operation, PACS reduced costs four-fold.

Moore and Smerchansky honored the NSWCDD Strike Weapons Software Engineering Team with the NAVSEA Team Excellence Award.

They presented the award to members on behalf of the entire Strike Weapons Software Engineering Team – 25 scientists and engineers from Dahlgren – for their dedicated effort in meeting emergent fleet needs by successfully delivering the Tactical Tomahawk Weapons Control System (TTWCS) v5.4.0.2 baseline on an accelerated and unprecedented schedule.

"Their technical excellence and unwavering commitment in the midst of a dynamic, challenging environment has resulted in a build

that is of the highest quality and represents a major upgrade in the operational effectiveness for the Fleet user," according to the citation.

"This team overcame an extremely chaotic environment to deliver a fully functional system within nine months after the program was re-baselined," said Capt. Joseph Mauser, program manager of PMA-280 (Tomahawk sponsor) in his letter of appreciation to the team. "You surged when it was most needed to keep the first major tech refresh of TTWCS on track. This team has distinguished itself as the go-to team within the Tomahawk enterprise."

The NSWCDD team members included: Andrew Orzechowski, Colin Hayden, Colleen Johnson, Deborah Saunders, Douglas Freeman, Gregory Stodola, James Wolfe, Joel Peck, John Davis, John Griffith, Lucas Aylor, Matthew Nicholas, Matthew Shaw, Nikaulys Torres-Avila, Ralph Beck, Richard Rossmiller, Robin Ross, Rodney Bissett, Sharon Buchanan, Sherry Mills, Steven Stoltenberg, Thomas Mercier, Timothy Fischer, William Kidd, and Y Nhu Nyugen.

Moore and Smerchansky also honored the Soft Kill Coordination System (SKCS) Team – sponsored by the NAVSEA Program Executive Office for Integrated Warfare Systems – with the NAVSEA Team Excellence Award.

The SKCS team included 20 Dahlgren scientists and engineers: Alan Brown, Amy Sams, Andrew Orzechowski, Christian Bell, Christina Gruszecki, Daniel Bradford, Darryl Schnellenberger, George Foster, James Rice, John Griffith, John Morris, Jonathan Gibson, Kenneth Robinson, Matthew Goodreau, Nathan Morrow, Sara Callison, Scott Larimer, Sharon Brem, Shawn Cowan and Stephen Hagewood.

NSWCDD is a premier research and development center that serves as a specialty site for weapon system integration. The command's unique ability to rapidly introduce new technology into complex warfighting systems is based on its longstanding competencies in science and technology, research and development, and test and evaluation.

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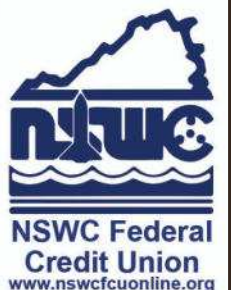
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Ready Railgun: Electromagnetic Weapon Primed for Operational Demos

By **WARREN DUFFIE JR.**,
Office of Naval Research

At the recent Naval Future Force Science and Technology Expo, the Office of Naval Research (ONR) announced that the Navy's Electromagnetic Railgun (EMRG) is out of the laboratory and ready for field demonstrations at the Naval Surface Warfare Center Dahlgren Division's new railgun Rep-Rate Test Site at Terminal Range.

Initial rep-rate fires (repetition rate of fires) of multi-shot salvos already have been successfully conducted at low muzzle energy. The next test sequence calls for safely increasing launch energy, firing rates and salvo size. Railgun rep-rate testing will be at 20 megajoules by the end of the summer and at 32 megajoules by next year. To put this in perspective, one megajoule is the equivalent of a one-ton vehicle moving at 160 miles per hour.

"Railguns and other directed-energy weapons are the future of maritime superiority," said Dr. Thomas Beutner, head of ONR's Naval Air Warfare and Weapons Department. "The U.S. Navy must be the first to field this leap-ahead technology and maintain the advantage over our adversaries."

The revolutionary railgun relies on a massive electrical pulse, rather than gunpowder or oth-



U.S. NAVY PHOTO BY JOHN WILLIAMS

The Electromagnetic Railgun (EMRG) at terminal range located at Naval Surface Warfare Center Dahlgren Division. The EMRG launcher is a long-range weapon that fires projectiles using massive electrical pulses instead of chemical propellants

er chemical propellants, to launch projectiles at distances over 100 nautical miles-and at speeds that exceed Mach 6, or six times the speed of sound. That velocity allows projectiles to rely on

kinetic energy for maximum effect, and reduces the amount of high explosives needed on ships.

The railgun shoots the high-velocity projectile (HVP), a next-generation, low-drag, guided pro-

jectile that can be used in different gun systems. With its increased velocity, precision guidance and extended range, the railgun realizes the full range of the HVP's scalable lethality. Together, both technologies will enable naval forces to address threats in the mission areas of surface fire support, anti-air and anti-surface warfare.

The Navy currently is developing and testing railgun barrels capable of firing many rounds per minute with a tactically relevant barrel life-as well as the associated power and auxiliary systems needed to make that possible. In addition, the weapon's power system now is small enough to fit aboard current and future U.S. Navy ships. These products, when matured, will create much more capable warships.

The railgun is expected to be very cost-effective, while adding offensive and defensive depth. Compared to traditional guns on Navy ships, the railgun offers greater range, higher velocity and a deeper magazine.

"The railgun will be an effective deterrent against growing and increasingly complex threats," said Beutner. "Its power level surpasses traditional gun technology, and it reduces explosive ship-board risks to Sailors and Marines at sea."

Watch a video [https://youtu.be/QO_zXuO-Qy6A] of the electromagnetic railgun.

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This Week in Navy History

Aug. 11, 1877 — Prof. Asaph Hall of the U.S. Naval Observatory discovers the first of two satellites of Mars, Phobos and Deimos, using the largest refractor of the time, a USNO 26-inch (66-cm) telescope.

Aug. 12, 1942 — USS Cleveland (CL-55) demonstrates the effectiveness of radio-proximity fuze (VT-fuze) against aircraft by successfully destroying three drones with proximity bursts fired by her five inch guns.

Aug. 13, 1777 — A spar torpedo made by David Bushnell is used unsuccessfully against HMS Cerberus, off New London, Conn. Bushnell and his brother, Ezra, also designed the first submersible vessel: Turtle. Two ships have been named after David Bushnell, USS Bushnell (AS 2), 1915-1940 (renamed Sumner), and USS Bushnell (AS 15), 1943-1980.

Aug 14, 1886 — The Secretary of the Navy William C. Whitney signs General Order 354 establishing the Naval Gun Factory at the Washington Navy Yard, Washington, D.C.

Aug. 15, 1845 — General Order 40 transfers a 9-acre site from the War Department at Fort Severn, Annapolis, Md., to the Navy Department for use of its Naval School. Cmdr. Franklin Buchanan, who developed the curriculum of the proposed school pursuant to a letter from the Secretary of the Navy, Aug. 7, 1845, is named its first superintendent and assumes command Sept. 3, 1845. The school opens Oct. 10, 1845, and then is redesigned the U.S. Naval Academy and placed under the Bureau of Ordnance and Hydrography in 1850.

Aug. 16, 1954 — Operation Passage to Freedom begins. The operation transports refugees from Haiphong to Saigon, Vietnam.

Aug. 17, 1959 — Adm. Arleigh A. Burke, is reappointed as Chief of Naval Operations for his third, two-year term, serving the longest as Chief of Naval Operations.

Aug. 18, 1966 — The first ship-to-shore satellite radio message is sent from USS Annapolis (AGMR 1) in the South China Sea to Pacific Fleet Headquarters at Pearl Harbor.



U.S. NAVY PHOTO BY PH1 H.S. HEMPHILL

Vietnamese refugees move from a French landing ship to the USS Montague during Operation Passage to Freedom. USS Montague lowers a ladder over the side to French LSM to take refugees aboard. Haiphong, August 1954.

Notes

Continued from page 8

Volunteers Needed at the Tri-County Animal Shelter

The shelter is in need of volunteers, ages 14 and older, to assist with caring for the many animals at our facility. There are several volunteer duties offered, including walking shelter dogs, spending time with the cats, taking photos of adoptable pets, general housekeeping, washing dishes and toys, cleaning kennels, and assisting with laundry. Volunteer as little or as much as you'd like. Call the shelter at 301-932-1713 for additional information and volunteer paperwork.

Town of Indian Head Car Show

Join with other car enthusiasts on Sept. 10, from 9 a.m. — 3 p.m. at the Village Green at Indian Head for a day of beautiful cars, lunch and a host of other events including a 9/11 memorial service presented by the American Legion, a Health

Fair hosted by the Veterans of Foreign Wars, and the day will also be a Veterans Appreciation Day and raffles. Registration for cars is \$20.00 and registration forms

National Day of Remembrance Volunteers Needed

Volunteers are needed Sept. 9 from 8:30 a.m. to noon at the Historic Congressional Cemetery at 1801 E. Street SE in Washington D.C. to remove weeds, clean headstones, reset headstones, place mulch around trees as needed, weed swale, clean chapel, perform minor landscaping and paint fences. Volunteers will receive T-shirts and lunch. For questions regarding the weather call 202-543-0539 and listen to the recording. All other questions can be directed to Naval District Washington Regional Community Service Program at 202-433-6854 or at the email listed below. Volunteers interested should send an email to olivia.hunter@navy.mil.

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