

MAY 22, 2014

A Space & Missile Defense NewsWire

# THE EAGLE

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## 49th MD Bn. Soldiers train on 'active shooter' exercise



*Photo by Capt. Ryan Richard*

**Military Police and Range Safety officers assigned to A Company, 49th Missile Defense Battalion, wait for clearance to enter the shoot house at Fort Greely, Alaska. The Soldiers participated in several active shooter and room clearing drills during an exercise. Soldiers of the 49th Missile Defense Battalion participated in a mass exercise May 12-16 that tested their capabilities and response through a number of activities.**



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U.S. Army Space and Missile Defense Command/Army Forces Strategic Command publishes the Eagle bi-weekly as a digital newswire. The newswire is an authorized publication of the USASMDC/ARSTRAT in accordance with AR 360-1. The SMDC commanding general has directed that the publication of this periodical is necessary in the transaction of the public business as required by law. The views and opinions expressed in the Eagle are not necessarily those of the Department of the Army or SMDC. The Eagle is intended to inform members of the command on happenings within the Army space and missile defense community. Distribution is made to the service members, civilians and contractors, and to the general public.

## COMMANDING GENERAL

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## COMMAND SERGEANT MAJOR

Command Sgt. Maj. James N. Ross

## DEPUTY TO THE COMMANDER

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## DEPUTY COMMANDING GENERAL FOR OPERATIONS

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John H. Cummings III

Capt. Ryan Richard

Dottie White

## 53rd HHC conducts CoR



Courtesy photo

**Incoming 1st Sgt. Rodney Kelley, center, Headquarters and Headquarters Company, 53rd Signal Battalion, prepares to pass the Noncommissioned Officers Sword during the Change of Responsibility May 1 in Colorado Springs, Colo. Kelley is assuming responsibility from 1st Sgt. Kishma Thomas.**

## Detachment commander promoted



Photo by Scott Andraee

**Maj. Joseph Mroszczyk, 4th Space Company detachment commander, receives his new rank from his son Porter and wife Robyn at his promotion ceremony May 2 at the Peterson Club, Peterson Air Force Base, Colo.**

## NORTHCOM commander lauds SMDC Soldier at luncheon

Scott Andrae  
USASMDC/ARSTRAT SIG

**COLORADO SPRINGS, Colo.** – A Soldier from the 1st Space Brigade was one of the nominees for the 2014 Outstanding Enlisted award presented May 13 at the Armed Forces Week luncheon in Colorado Springs.

Spc. Rakia Canty was one of 11 military personnel recognized at the luncheon. She is a chaplain's assistant with the 53rd Signal Battalion, 1st Space Brigade, U.S. Army Space and Missile Defense Command/Army Forces Strategic Command.

The annual award program encompasses nominees in three groups according to pay grade. Canty competed in the category for junior enlisted personnel (E-1 through E-4).

The award program honors U.S. and Canadian personnel assigned to Colorado Springs-area commands and installations and recognizes their achievements in military and community service.

Canty joined the 1st Space Brigade in December 2013. She has been a volunteer with the Boys and Girls Clubs since the age of 15 and has assisted Habitat for Humanity for victims of Hurricane Katrina; co-taught land navigation to the Junior ROTC program at a school in Colorado Springs; and represents the Better Opportunity for Single Soldiers and Family Readiness Group programs for her company in the 53rd Signal Battalion.

The Military Affairs Council of the Colorado Springs Regional Business Alliance conducts the award program. Nominees appeared before a panel of judges to answer questions on military affairs, community involvement, current affairs and leadership.

The final winner for the E-1 to E-4 category was from Fort Carson; for the E-5 to E-6 category, from



Photo by Tisha Crespin

*Spc. Rakia Canty, a nominee for the Colorado Springs Outstanding Enlisted award, receives a memento recognizing her achievement from Gen. Charles Jacoby, commander of North American Air Defense Command/U.S. Northern Command, May 13 at the Armed Forces Week luncheon. Canty is a chaplain's assistant with the 53rd Signal Battalion, 1st Space Brigade, U.S. Army Space and Missile Defense Command/Army Forces Strategic Command.*

North American Air Defense Command/U.S. Northern Command; and for the E-7 to E-8 category, from Schriever Air Force Base.

# SAFETY and HEALTH *Expo*

**USASMDC/ARSTRAT & MDA**  
Joint Safety and Health Expo

**Thursday, 29 May 2014 | 0900-1400**

Located in the VBill Courtyard & Retail Corridor • **FAMILY MEMBERS INVITED**





## Three 'Black Dragons' escort veterans in Washington D.C.

**Carrie E. David**  
**SMDC Public Affairs**

**FORT MEADE, Md.** – With most of America's World War II and Korean War veterans now in their late 70s to mid-80s, many of them are unable to visit their memorials in Washington, D.C., without a little help from friends.

Three of those friends from Company B, 53rd Signal Battalion, offered their services to escort veterans from Columbus, Ohio, who arrived by the Honor Flight Network at the Baltimore-Washington Airport on April 26.

Spc. Matthew Hudson, Spc. Joshua Huffman, and Spc. Corbin Geurts, all satellite controllers with Co. B, escorted Don Hall, Korean War; Dick Moorehead, Korean War; and Ray Fornadley, World War II, during their visit to the memorials.

"It's an honor to be able to escort these veterans to their memorials and to hear their stories of the wars they fought in," Hudson said. "They are amazing men and women."

When the World War II memorial was completed in 2004, the veterans from that war were already in their mid-70s and many were unable to make the trip to Washington, D.C., to see it.

That is when retired Air Force Capt. Earl Morse decided to establish the Honor Flight Network.

According to the Honor Flight Network website, "In December of 2004, Earl asked one of his World War II veteran patients if it would be all right if Earl personally flew him out to D.C., free of charge, to visit his memorial. Mr. Loy broke down and cried. He told Earl that at



*Courtesy photo*

**Spc. Joshua Huffman, satellite controller, Company B, 53rd Signal Battalion, right, escorts several veterans to the World War II and Korean War memorials in Washington, D.C., as part of the Honor Flight Network April 26.**

his age he would probably never get to see his memorial otherwise, and graciously accepted the offer."

Since then, thousands of veterans have made the journey to see their memorial.

According to the Honor Flight Network website, through the end of 2012, they transported more than 98,500 veterans to Washington, D.C. The program currently has 12 hubs in 41 states.

"It was interesting to see my veteran's reaction to the memorial," Huffman said. "He was really taken aback by the detail of the Korean War memorial."

All three Co. B Soldiers said they enjoyed hearing the stories of the veterans.

"It's always fun to learn the stories directly from the Soldiers who were there," Geurts said. "My veteran personally knew the pilot of the

Enola Gay, the plane that dropped the atomic bomb on Hiroshima."

According to the 2010 Department of Veterans Affairs report, 8.6 percent of living veterans served in World War II and 10.9 percent served in the Korean War. It is estimated that about 1,000 veterans from this generation die each day, and that by 2020, nearly all World War II veterans will be gone and by 2035, few Korean War veterans will be left.

"Honor Flight is great opportunity for our Soldiers to interact with and give thanks to their military predecessors," said Capt. Michelle Hamilton, Co. B commander. "To have the opportunity to escort them during their day trip to Washington, D.C., and see their reaction to the memorials built for them is an honor that I hope all of our Soldiers get to experience."

## Commanding General addresses his alma mater



*Photo courtesy of Millersville University*

**Lt. Gen. David L. Mann, commanding general, U.S. Army Space and Missile Defense Command/Army Forces Strategic Command, addresses graduates and attendees of the 2014 Millersville University baccalaureate commencement ceremony May 10 conducted at Biemesderfer Stadium in Millersville, Pa. Mann received an honorary doctorate of humane letters from the university. Mann earned his bachelor's degree in education from Millersville University in 1981 and was a designated Distinguished Military Graduate of Gettysburg College, Pa.**

## Former SMDC commander passes away

**John H. Cummings III**  
**SMDC Public Affairs**

**REDSTONE ARSENAL, Ala.** – Retired Army Lt. Gen. Robert D. Hammond passed away on May 9 at his home in Monterey, Calif. Hammond was the commander of the Army Strategic Defense Command, a predecessor of the current U.S. Army Space and Missile Defense Command/Army Forces Strategic command. Hammond, 80, retired from the Army in June 1992.

Hammond was commander of USASDC from July 11, 1988, to June 30, 1992, and served as the Program Executive Office for Strategic Defense Systems. USASDC was the Army component of the Strategic Defense Initiative, responsible for seven of the eleven SDI programs. Divided between Arlington, Va., and Huntsville, Ala.,

the command employed more than 1,400 Soldiers and civilians and was responsible for an annual budget of more than \$2 billion.

Hammond, a native of Altadena, Calif., began his Army service in 1956 and was a veteran of the Vietnam War. Among other assignments, he was commanding general of the VII Corps artillery, then based in Augsburg, West Germany, and chief of the Studies, Analysis and Gaming Agency for the Joint Chiefs of Staff. After retiring from the Army, he moved to Carmel, Calif., from Annandale, Va., in 1995.

He is survived by his wife of 52 years Patty, their four children – Bob, Scott, John and Susan and five grandchildren. The funeral service will be held at the U.S. Military Academy's Most Holy Trinity Chapel at 10 a.m. on June 9.



*U.S. Army photo*

**Lt. Gen. Robert D. Hammond, former commanding general, U.S. Army Space and Missile Defense Command/Army Forces Strategic Command**

# History: NIKE-ZEUS demonstrates ASAT capability

Sharon Watkins Lang  
SMDC command historian

In the early 1960s as the opportunities of space were explored, a potential new threat was also recognized. As newspapers and magazines reported that the Soviet Union was developing a bomb-in-orbit capability, the NIKE-ZEUS Project Office received a new mission.

Having successfully intercepted a long-range target, in April 1962, Secretary of Defense Robert McNamara tasked the command's engineers and scientists to develop and deploy an anti-satellite, or ASAT, capability at the Kwajalein Missile Range. The deadline was May 1963.

The result was Project 505, also known as Project MUDFLAP. With the ZEUS Acquisition Radar's long-range tracking capability, the issue was to increase the power and thereby extend the range of the interceptor.

Few modifications were to be made to the basic ZEUS missile, the DM-15B configuration, to achieve higher altitudes. The DM-15S would incorporate a dual-phase gas generator in a two-stage hydraulic pump to extend the control power for longer distances.

A new booster propellant, polybutadiene acrylic acid, being developed for the ZEUS DM-15C would also be adopted. Other features improved radio frequency communication and increased the battery life to 5 minutes from 2 minutes.

Six modified ZEUS interceptors were developed for this program. Two initial tests were conducted at White Sands Missile Range. The first DM-15S was launched Dec. 17, 1962, successfully intercepting a fixed space point at 100 nautical miles. Two months later, on Feb. 15, 1963, the modified ZEUS achieved a space point intercept at 151 nautical miles.

From there testing transferred to Kwajalein. The next two flights proved unsuccessful as the Missile Track Radar failed.

On May 23, 1963, however, the NIKE-ZEUS Project Office achieved its goal, successfully intercepting an AGENA D earth satellite. Missile ZK-20 (20138) was



U.S. Army photo

A NIKE-ZEUS test fires July 27, 1962 during Project MUDFLAP

the 20th ZEUS mission at Kwajalein and the 100th firing in the overall ZEUS research and development program.

The designs for the DM-15S continued to evolve, but the MUDFLAP ASAT defense system was declared operational on Aug. 1, 1963, with a mission readiness requirement to engage a designated satellite within 24 hours of guidance received. As the missiles were tested against simulated satellites and booster space targets, Kwajalein personnel were trained to perform a possible tactical ASAT mission.

Bell Labs and Western Electric personnel conducted a number of test runs to reduce the time needed for Kwajalein-based Soldiers to launch the missile if necessary. Following the final test series in 1965, four missiles remained on Kwajalein to serve a standby capability, with one always in a state of readiness until the mission was terminated in 1968.

Deadline for comments and submissions for the June 5 issue is May 30.  
Please submit to Jason B. Cutshaw at [Jason.B.Cutshaw.civ@mail.mil](mailto:Jason.B.Cutshaw.civ@mail.mil).

## SMDC conducts town hall at Peterson Air Force Base, Colo.

Photo by Dottie White

Command Sgt. Maj. James N. Ross, command sergeant major, U.S. Army Space and Missile Defense Command/Army Forces Strategic Command, addresses issues at the command's Peterson Air Force Base, Colo., headquarters town hall May 16.



## Command to host Army Space Cadre Basic Course

All command personnel are invited to attend the Army Space Cadre Basic Course scheduled for June 2-13. The course provides Soldiers and civilians with a foundational understanding of space and the five space mission areas. Contractors may attend on a space-available basis with approval of the contracting officer.

At the conclusion of the ASCBC Phases I and II, students will understand the building blocks of orbital mechanics, understand the threats in space to include manmade and natural effects on satellites, understand the different military and joint military organizations and their missions, and understand the space mission areas and how they relate to the Army's missions.

Phase I will take place June 2-6 and Phase II will take place June 9-13 in Huntsville, Ala., at 6000 Technology Drive. Phase I, or the equivalent, is a requirement for all command personnel, in accordance with the training and leader development guidance. Phase II, or the equivalent, is a requirement for all command personnel in a space cadre position.

For Soldiers, this is a qualification course for the Space Badge and the 3Y additional skill identifier.

The course requires a secret clearance and is limited to 28 students on a first-come, first-serve basis.

Interested personnel should e-mail [James.A.Schlichting.civ@mail.mil](mailto:James.A.Schlichting.civ@mail.mil), or call (719) 554-1905.

A promotional banner for a "SAFETY Expo". The word "SAFETY" is in large, bold, yellow letters, and "Expo" is in a white, cursive font. Below this, it says "USASMDC/ARSTRAT" and "\*\* Safety Stand-down Day\*\*". The date and time are "Thursday, 12 June 2014 | 0900-1400". The location is "Located on the back lawn of Bldg. 3, Peterson Air Force Base". At the bottom, it says "FAMILY MEMBERS INVITED". On the left is the USASMDC/ARSTRAT logo featuring an eagle and a globe. On the right is a yellow diamond-shaped sign that says "SAFETY ALWAYS". The background has a yellow and black diagonal striped pattern.

# Command Safety Gram

## *How to Avoid Workplace Electrocution*

Almost any kind of job there is today involves using electricity. That is why it is important for people to understand how to avoid electrical shock.

There are many different kinds of electrical hazards, depending on the kind of place people work.

Some job sites have high voltage installations and some use small electrical equipment. But whether the electrical shock comes from an overhead transmission line or an incorrectly grounded power tool, the results can be equally fatal.

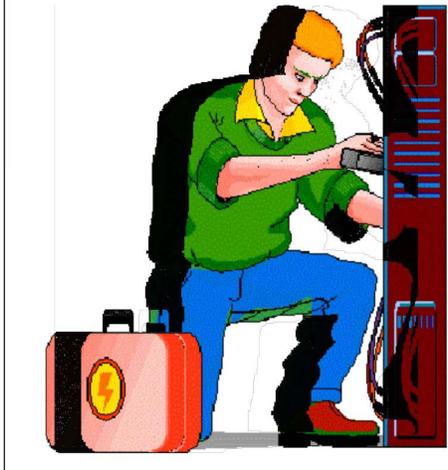
Here are some reminders for staying safe while working with electricity on the job:

- Before doing maintenance or repairs on electrically powered equipment, the power source needs to be isolated. Lock out and tag out switches when repairing equipment. That's why there are slots for locks on electrical circuit breakers. Follow all employer's safety procedures for locking out equipment.

- Never work on a switch or outlet connected to a live (closed) circuit. First, turn off the circuit breaker and put a lock and warning sign on the breaker.

- When making adjustments to portable equipment, disconnect it but keep the cord in sight so

### Electrical Safety



someone else can not plug it in and give a shock. Better yet, use a locking device made for the plugs of portable tools and equipment, which will prevent anyone else from plugging it in. Several types of these devices are available at safety supply houses.

- Before using electrical cords, equipment or tools, check them carefully. Pull any damaged or defective equipment out of service and repair it right away.

- Install a ground fault interrupter on any outlet near a water source. Never work on electric equipment or wiring in a wet environment.

- Take off extra jewelry such as rings or bracelets when working

with electricity to prevent shocks.

- Never tape breakers into the "on" position. This interferes with their proper operation.

- Do not store combustible materials such as paper, wood, flammable liquids or paint in main service panel rooms or areas because heat or sparks from an electrical problem can start a fire.

- Keep main electrical equipment rooms locked at all times so that only authorized people can enter. Lock all electrical boxes that are outside the secured area.

- Keep the pathways to all electrical panels free of obstructions.

- Clean motors and keep them free of dirt, oily deposits and dust.

- Never remove the third prong on a plug to make it fit in a two-plug hole. The third prong provides grounding for the electrical current and is an important safety feature. All major appliances and power tools should be on three prong plugs.

- Replace any equipment that sparks, stalls or runs hot.

Most people can not imagine a life without electricity. Use it cautiously and sensibly and it will bring more power.

– *Courtesy of the U.S. Army Combat Readiness/Safety Center*

## Tickets on sale for Fort Carson golf scramble

Registration is open for the "Guard, Engage and Destroy Golf Outing" scramble June 4 at the Fort Carson Cheyenne Shadows Golf Course, organized by the 100th Missile Defense Brigade.

Four-person teams can consist of military members, family members, government civilians and contractors.

The event is a mixed scramble (best ball tournament).

The cost of \$41 includes green fee, golf cart, range balls, lunch and a voucher for one free round of golf good for six months from the date of the event.

Register by June 1 by contacting (303) 918-0559 or e-mail [Kyle.J.Zablocki.mil@mail.mil](mailto:Kyle.J.Zablocki.mil@mail.mil).

## Specialist earns Senior Space Badge



*Courtesy photo*

**Sgt. Kevin J. Coloccia, B Company, 53rd Signal Battalion, pins the Senior Space Badge on Spc. Marshall Smith during a recent ceremony at Fort Meade, Md.**

## CG wishes everyone a safe Memorial Day weekend

As we continue to transition to a peacetime force, this Memorial Day will be especially poignant for the Soldiers, Sailors, Airmen, Marines, and Families who have served and sacrificed the past 13 years.

Some have lost husbands, wives, sons or daughters, while others have lost battle buddies considered brothers or sisters. Thank you for your service and continued dedication to this great nation and the memory of those who have fought so bravely for it.

This extended weekend is a time when we pause to honor the memory of those who sacrificed everything for our nation. Men and women who paid the ultimate sacrifice for our country, our freedom, and the values that make America a unique nation.

As you enjoy well deserved time off this weekend, take time to remember and honor those who died to assure America's place as the "land of the free and the home

of the brave."

If you decide to travel this weekend, be safe, plan ahead. Don't drink and drive, ensure people wear their seatbelts and use the Travel Risk Planning System (TRiPS) at <https://safety.army.mil> to identify traveling risks.

Finally, motorcycle fatalities are up 58 percent this fiscal year from 2013. We must reverse this trend. Be safe, remember the sacrifices of the fallen, and enjoy your weekend.

Thanks for all you do each day to support the Warfighters and our nation.

**SECURE THE HIGH GROUND!  
FOR THE WORLD!**

**VIGILANT**

Lt. Gen. David L. Mann