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December 2019

ATEC Commanders' Conference designed to encourage and support

By Vanessa Flores WSMR Public Affairs

White Sands Missile Range recently hosted the U.S. Army Test and Evaluation Command (ATEC) Commanders' Conference designed to encourage and support ongoing ATEC leadership collaboration.

"This conference went exceptionally well, it is very important because of the way this command is spread out over multiple states," said ATEC Command Sgt. Maj. Jon Helring. "The commander can get all his commanders, the technical directors, and his group together to plan what's happening next in the command; it is extremely vital."

Presiding at the quarterly event held Nov. 21-22 was Maj. Gen. Joel K. Tyler, commanding general of ATEC, who was able to communicate di-



WSMR hosted the U.S. Army Test and Evaluation Command Commanders' Conference Nov. 21. Members posed for a group photo in front of the Organ Mountains.

rectly with his staff and the nine testing locations he oversees, as well as other offsite tenants.

"This was a great event to get commanders and the staff of ATEC together so we can discuss how to create the future together," said Tyler.

As a direct support unit of the Army Futures

Command, ATEC provides expertise in testing and evaluation to the U.S. Army's overall priorities. Modernization is one of the top priorities, and established this year is a more holistic approach. Currently, the Army Modernization Strategy is to become a multi-domain force by

2035 with the Army Futures Command tasked in bringing the unity of effort together.

"What we accomplished was a common level of understanding and a common vision of where we need to go," said Col. David Trybula, commander of White Sands Missile Range.

"The stage is set to both plan and execute - and to actually make a difference moving forward."

ATEC is responsible for a wide variety of Army capabilities, from vehicles to weapon systems. With such a diverse portfolio and the breadth of space between test centers and other offsite areas, the face-to-face collaboration proves well for planning and strategic purposes. It also serves as a platform to share the challenges and to learn best practices from one another.

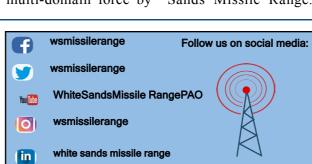
"Everybody can show, 'this is where I am struggling, this is where I need help,' and we can identify what that means to us and how we can reprioritize things to go after," said Col. J.R. West, deputy commanding officer of ATEC. "Doing what is best so we can accomplish the mission and doing it in a manner that takes care of our people; in the end, they are our greatest resource."

Synchronizing force modernization is essential, with aggressive priorities entrenched in multi-domain efforts. Having leadership come together at the conference to plan for the diverse workforce, and the multiple projects.



Movies and Community Calendar

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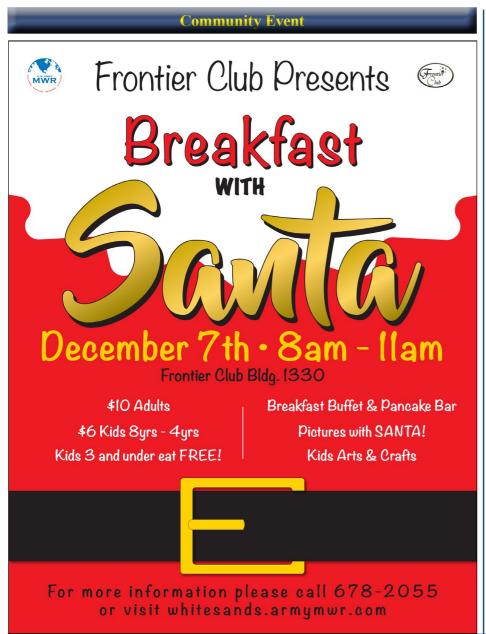




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Announcement

EDITORIAL POLICY

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Missile Ranger Second Front -

Winter weather driving tips to keep you safe on the road

NMDOT

Winter-weather is here and the Department of Transportation is ready. The NMDOT is working around the clock to monitor the roads, report road conditions, spread salt and cinder and plow snow if necessary. In coordination with law enforcement the NMDOT has some advice for drivers when traveling through unfavorable road conditions.

Tips to know:

*Wear your seatbelt Make sure everyone in the vehicle is properly buckled up.

*Reduce your speed

The best crash prevention on snow and ice is to SLOW DOWN and leave plenty of room between you and the vehicle in front of you.

*Practice good winter driving techniques

Keep your gas tank



White Sands Missile Range was covered in snow January 2019 following a snowstorm. Make sure to monitor the road conditions and weather reports before you get on the road.

full, turn on your head lights, keep your windshield washer fluid full with antifreeze, keep winter driving chains in your vehicle, have a winter survival kit which includes – flashlight, hand warmers packets, first

aid supplies, high energy snacks, bottled water, medications and read your owner's manual for special instructions on driving 4-wheel drive vehicles and vehicles with ABS on snow and ice.

*Avoid driving in a

snow cloud

Large vehicles, such as semi-trailer trucks and snow plows, may produce dense clouds of blowing snow that make it difficult for drivers to see. When drivers encounter snow clouds.

they should stay back to avoid the cloud.

*Plan ahead and be patient

Delays are common during bad weather. Leave a little earlier and pack your patience.

Know where a snow plow and blade are positioned on the road before trying to pass. On multi-lane highways, the plow can be in your blind spot. Before attempting to pass make sure it is safe.

*Pav attention to weather forecasts and trust them

Winter storms can become severe quickly, plan ahead and check the weather

*Do not use cruise control

Never use cruise control when the roads are slick. Using your cruise control can reduce your handling of the vehicle if your tires begin to skid or slip.

*Know your current road conditions

Visit the NMDOT website for current road advisory information at *Check before you http://nmroads.com. +





White Sands Missile Range participates in local Veterans Day Parade

By Chuck Roberts WSMR Public Affairs

White Sands Missile Range participated in the 2019 Las Cruces Veterans Day Parade with its theme, "Honoring Our Greatest Generation".

Representing WSMR were Garrison Commander Col. Christopher Ward, WSMR Command Sgt. Major Robert Parker II, and the WSMR Joint Color Guard

The annual parade got underway with the WSMR Joint Color Guard leading a float with six World War II veterans serving as Parade Grand Marshals. They were Navy Veterans Ralph Emerson, John Paul Taylor and Dwight Weir; Marine Corps Veterans Carmen Ayers and George A. George; and Army Veteran Tino Molinar.

As their float stopped in front of the Reviewing Stand, the veterans were honored with parade medals presented by Las Cruces Mayor

Las Cruces Mayor Ken Miyagishima, retired Air Force Brig. Gen. Fermin Rubio and Ward, who presented two medals and rendered salutes to Ayers and George.

For Ward, it was an honor to be a part of the event.

"We are very appreciative of the public backing and the gratitude shown by the City of Las Cruces and all the members of the community that came out to show their support and give thanks to



The WSMR Joint Color Guard halts in front of the Review Stand where six veterans from World War II were honored during the 2019 Las Cruces Veterans Dav Parade.

all veterans across multiple generations. The simple act of displaying unity at a parade shows that we have a community that cares and understands the sacrifices by those who wear our nation's cloth along with their families."

-The simple act of displaying unity at a parade shows that we have a community that cares and understands the sacrifices made by those who wear our nation's cloth with families -



WSMR Garrison Commander Col. Christopher Ward, left, follows a salute to Marine Corps Veteran Carmen Ayers, right, with a warm handshake.



SOCORRO, NM - WSMR Commander Col. David Trybula was the guest speaker at the Veterans Day Ceremony in Socorro. Also participating in the ceremony were New Mexico Tech

President Dr. Stephen Wells

Continuing resolution impacts priorities for SecArmy FY21 Budget

By Devon L. Suits Army News Service

WASHINGTON --As Congress passed another continuing resolution Thursday to keep the federal government open until Dec. 20, Secretary of the Army Ryan D. McCarthy said the lack of long-term funding is having a detrimental impact on operations, readiness, maintenance and modernization.

With no approved fiscal year 2020 budget, the Army had to freeze about \$3.5 billion in modernization funds, which impacts close to 80 new programs, and about 40 production-line increases, McCarthy said during a presentation at the American Enterprise Institute.

"From a readiness standpoint, we are very concerned. We need to get [the budget] turned back on as quickly as possible," he said.

Expenditures in operational maintenance had to be reduced by 2%, Mc-Carthy said. The buying power of battalion and brigade commanders is declining, which means fewer spare parts and not as many training repetitions.

"Time is the variable that you don't get back," he said. "Even if you get the [budget after Dec. 20], you just lost 90 days. In our business, you got to get every repetition before we get on an airplane and go do the nation's business."



U.S. ARMY PHOTO BY SGT. DANA CLARKE

Secretary of the Army Ryan D. McCarthy speaks at the American Enterprise Institute's think tank in Washington, D.C., Nov. 21, 2019. Congress was just passing another continuing resolution to fund the government until Dec. 20 and McCarthy said the lack of long-term funding could have a detrimental impact on operations, readiness, maintenance and modernization

CONTINUE MODERN-**IZATION**

The lack of an approved FY20 budget has not stopped Army senior leaders from putting final touches on the fiscal year 2021 budget proposal, McCarthy said. Readiness, modernization and people continue to be the Army's top priorities for FY21 and the fiscal 2022 spending plan, he said.

"Over half of our balance sheet is focused on people and training," McCarthy said. "What you will see over the course of this next year is a focus on strategic readiness ... [to include] emergency deployment readiness exercises for brigade-sized elements to Europe and East Asia, and the Defender series [of exercises]."

The Army is also in FY 21 BUDGET TO the midst of a significant transformation with the launch of the modernization enterprise, McCarthy said. In turn, the Army looks to "finish what it started," all while maintaining a level of trust and commitment between the force and the Office of the Secretary of Defense, Congress, industry, and other key stakeholders.

"We worked very hard to communicate ... our intent," said McCarthy, during an engagement at the Thursday. "One of the greatest things I think we did --- we published a modernization strategy and then we put the money against [that priority].

Last fiscal year, the Army moved over \$40 billion to help develop 31 signature systems across the force's six modernization priorities, he said.

The force is slated to receive a wide range of prototypes over the next two years.

To pay for new technology, the Army has already backloaded funding in its five-year spending plan, McCarthy said. but added leaders will still need to engage in future "night court" processes to reshape the Army's balance sheet to completely fund future projects.

"If we're successful in these next 18 months and these prototypes deliver, you are going to need a lot of money to start bringing [in] ... hundreds of these widgets into the formations," he said. The

future year's defense plan "helps Congress manage expectations. It allows us the time to see if the stuff's going to work and then collectively come together and make an adjustment downstream."

NEED FOR TEAM-MATES

While people are, and will always be the Army's most precious resource, the Army has recently seen an alarming increase in reported suicides and sexual assaults. McCarthy said.

"There are things that are tearing away the fabric of our institution. The only way that we can think of doing better is just by being better teammates," he said.

McCarthy and Army Chief of Staff Gen. James McConville are trying to set the example by exhibiting the right behaviors that help build a cohesive team. The two often eat lunch or workout together, McCarthy explained.

"Teammates look each other in the face -- teammates invest in each other," McCarthy said. "Some of those simple fundamentals of investing time in each other will help you improve and ... understand who you're dealing with, so when [a teammate] has challenges, you are there for them."



AS CRUCES, NM - White Sands Missile Range Test Center Commander Col. Dave Cheney was the guest speaker at the Arrowhead Park Early College High School National Honor Society meeting Nov. 8. He spoke to students on leadership and motivation.

Ranchers and Rockets converge at annual WSMR Rancher's Day

By Vanessa Flores and **Chuck Roberts** WSMR Public Affairs

Ranchers living within the vicinity of White Sands Missile Range are occasionally called on to evacuate the area for missile testing.

The ranchers' cooperation is critical to the Army's mission on the range where vast areas of vacant land are a reauirement.

To show its appreciation. WSMR held it 22nd annual Rancher's Day on Sept. 19, 2019, in order to thank local ranchers who, through an agreement, are asked to leave their homes during certain test missions due to their proximity to the range. Their ranches range from areas as far northeast as Ruidoso and as far north as Socorro.

At this year's event, 35 ranchers got a glimpse of the near future for near space at Launch Complex 32, the meteorological intricacies required for space flight testing, and lunch with key WSMR leaders at the J.W. Cox Range Control Building. The building was named after the Cox family whose ranch adjoins WSMR in an area between main post and the Aguirre Springs National Recreation Area underneath the Organ Mountains.

"It was great. We enjoyed it," said rancher Jim McNutt from the Mc-Nutt Ranch. "I can't wait to come back next year and do it again."



Ranchers stand in front of the CST-100 Starliner Pad Abort Test vehicle on Sept. 19, 2019, at White Sands Missile Range, N.M. The Starliner will be used to shuttle astronauts and cargo to low-Earth orbit.

For Sharon Knott, Rancher's Day marked her first visit to WSMR in more than 25 years after leaving ranch life in the Reserve, N.M., area for more lush terrain in Hawaii. Knott said it's good to be back in New Mexico, and described her return visit to WSMR as "awesome and very informative."

"We are thrilled you all came," said WSMR Commander David Trybula during the luncheon. "I want to make sure you are aware of the opportunities that are here as we really build the relationship and maintain the communication."

Ranchers began their visit with Boeing representatives at WSMR who are testing the Crew Space Transportation (CST)-100 Starliner spacecraft that will be used to shuttle astronauts and cargo to low-Earth orbit, starting with NASA missions to the

International Space Station.

When the Starliner returns to Earth from those future missions, it will mark the first time an orbital space capsule built in the United States will land on land versus water.

That will be made possible by using a combination of parachutes that open to slow the descent of the spacecraft, and landing airbags that inflate during final descent to absorb the initial impact loads.

The Starliner program has three major efforts happening at WSMR.

Starliner's parachute qualification drop test campaign is an important test series that validates the parachute systems. During these tests, a flight-sized test version of the Starliner capsule is lifted by a large helium balloon, launching from either Spaceport America or White Sands Missile Range depending on wind forecasts. It is lifted 40,000 feet into the Earth's stratosphere where the capsule is then released. When the actual launch occurs, the Starliner will be propelled into space by a United Launch Alliance Atlas V rocket from Cape Canaveral Air Force Station in Florida.

During its four-minute descent toward Earth during testing, the capsule achieves velocities that would occur during an actual mission. The capsule lands on a remote site at WSMR formerly used by NASA as a Space Shuttle backup landing site, used one time by Space Shuttle Columbia in 1982. Known as White Sands Space Harbor, that test landing site is actually a possible landing zone Starliner will use when returning from space.

Another test that has taken place at WSMR is

the Pad Abort Test designed to prove the Starliner's abort system will whisk the capsule and its astronauts away quickly and safely in the unlikely event there is an emergency with the spacecraft's rocket.

The Pad Abort Test was launched from WS-MR's Launch Complex 32, which also was used for a similar abort test for NASA's Orion spacecraft. During Starliner's abort test, the launch abort engines sent Starliner about a mile up and a mile away from the Launch Complex 32 gantry.

The third major effort involves Starliner's operational landing and recovery team. Over the past few years, that team has been training at WSMR to prepare for recovering Starliner and the astronauts after land-

Additionally, all of the equipment needed to re-

cover Starliner for both the primary and secondary landing sites is stored and maintained at WSMR. Also, regardless of where Starliner lands, it will come back to LC-32's Flight Integration and Test Facility for initial post-flight processing before heading back to the Kennedy Space Center to prepare for another mission.

The Starliner's first mission to the International Space Station will be an uncrewed flighttest mission, followed by a crewed mission.

Following their Starliner briefing and tour, ranchers toured mobile equipment brought to the Launch Complex 32 site from the WSMR Weather Forecast Section. Accurate weather forecasts are vital to determine if weather conditions such as wind and lightning are possible.

For the Starliner to land in its target area such as the White Sands Space Harbor, Scott Startz and his team of meteorologists and technicians make complex calculations to determine when and where its parachutes should deploy to allow it to land on target.

Ranchers were given a real-world taste of weather forecasting when Knott was allowed to release a weather balloon, followed by the opportunity for Startz to show them real-time data being collected above them by the balloon ascending about 1,000 feet per minute. 💠

New Mexico school receives DoD STEM grant

By Vanessa Flores WSMR Public Affairs

The U.S. Department of Defense, in conjunction with White Sands Missile Range and the National Math and Science Initiative (NMSI), partnered to bring a college readiness program to New Mexico students at Oñate High School.

Col. David Trybula, White Sands Missile Range Commander, spoke at the school during the presentation of the \$257,624 grant on Nov. 18. Oñate High School is in the Las Cruces Public Schools and the first in the district to receive this grant.

The grant supports college readiness through Advanced Placement classes focusing on Science, Technology, Engineering and Mathematics (STEM) coursework. It also provides the school with a system to increase the effectiveness and provide more access to their science and mathematics programs. While the students benefit significantly from the grant, so do the teachers, staff and faculty who receive training and gain access to STEM resources.

"The NMSI grant that we are here today to celebrate could be your opportunity if you choose. What will you do with it? Do you want to change the world?" Trybula asked the auditorium full of high school students. "Changing the world is hard work, are you ready to invest in yourself?



Holding the grant check from left to right is Jaymes George, Onate High School Student, Dr. Karen Trujillo, Las Cruces Public Schools Interim Superintendent, Shannon Manion, National Math and Science Initiatives Manager, Col. David Trybula, White Sands Missile Range Commander, Maj. Zachary Martin, White Sands Missile Range Operations Research Systems Analyst and other representatives at Onate High School on Nov. 18. The U.S. Department of Defense, in conjunction with White Sands Missile Range and the National Math and Science Initiative, partnered to bring a college readiness grant to the school.

At White Sands Missile Range, we test the future, and we change the world every day."

Trybula shared his professional insights into the changing environment of the world, including the "game-changing" space capsule landing set to happen at White Sands Missile Range within the next year. He also urged the students to think about their opportunities, their future, and what studying STEM can do for them.

The installation's involvement with NMSI goes beyond the STEM curriculum and includes the organization's Military Families Mission program. It aims to en-

sure high academic standards and continuity from school-to-school for military families.

Moving is inevitable while in the military. When a family receives orders to move, many look into the quality of schools in that area. Retention in the military becomes a major factor when schools around an installation do not have the programs the student requires or when the standards of the schools vary and the student may fall behind due to varying requirements.

"If the schools don't have the programs they are used to or the programs that would fit their students, it is a huge retention factor," said Shannon Manion, NMSI Military Families Mission manager. "The family either stays where they are, and the military member moves, which is not good for morale, or the military member separates, or the family goes, and the children do not have the programs that would most benefit them."

The program serves over 95 military installations across the country. While the grant focuses on the number of military students, ultimately, it offers access to college-level coursework to all students at the schools they serve. The program assists over 1,300 schools across the country.



November 12th - February 5th

Register at Parent Central Services Bldg. 501 (Second Floor) October 7th through November 1st • \$45 per participant

3 age groups available: 5-6yrs, 7-8yrs, and 9-11yrs Current health assessment must be on file

Practice will be Tuesdays & Thursdays from 5pm -6pm @ MST Bldg. 1318

Parent meeting will be November 4th • 5pm to 6pm @ MST Bldg, 1318

VOLUNTEER COACHES NEEDED FOR EACH CHEER GROUP!

For more information please call 678-7704 or visit www.whitesands.armymwr.com



Missile Ranger Submission Policy

Submissions to the Missile Ranger are accepted anytime for publication in the following issue, space permitting.

All submissions will be edited for style, content and propriety. Submissions must include a point of contact identified by first and last name and a telephone number for that point of contact.

Submissions can be made by e-mail to the following usarmy.wsmr.atec.list.ranger@mail. mil; also in person at the Public Affairs Office, Building 1782; or call (575) 678-2716.

Community Calendar

Community Calendar submissions are compiled by the Public Affairs Office. Any WSMR organization wishing to publicize an event on this calendar should submit information to usarmy.wsmr.atec.list.ranger@mail.mil.

Frontier Club Lunch Specials

Monday, Dec. 9

Frontier Club - Sushi

Tuesday, Dec. 10

Frontier Club - Chicken mole

Wednesday, Dec. 11

Frontier Club - Beef Stragonoff

Thursday, Dec. 12

Frontier Club - Tilapia a la Veracruzana

Friday, Dec. 13

Frontier Club - Portabella Burger (Grill)

Monday, Dec. 16

Frontier Club - Teriyaki Beef

Tuesday, Dec. 17

Frontier Club - Carne adovada

Wednesday, Dec. 18

Frontier Club - Crab stuffed mushrooms

Thursday, Dec. 19

Frontier Club - Barbeque chicken

Friday, Dec. 20

Frontier Club - Chicken fried steak sandwich (Grill)

Monday, Dec. 23

Frontier Club - Closed for the Holidays

Tuesday, Dec. 24

Frontier Club - Closed for the Holidays

Wednesday, Dec. 25

Frontier Club - Closed for the Holidays

Thursday, Dec. 26

Frontier Club - Closed for the Holidays

Friday, Dec. 27-Wednesday, Jan. 1

Frontier Club - Closed for the Holidays

Closed Saturday and Sunday

December

- Dec. 5 Tree Lighting Ceremony 5 p.m. Building 100
- Dec. 14- Holiday Ball 5 p.m. Frontier Club
- Dec. 25- Christmas Holiday



Frequently Called Numbers

Aquatic Center 678-1068

Army Community Service 678-6767

Arts and Crafts Center 678-5321

Auto Crafts Center 678-5800

Bell Gym 678-3374

Bowling Center 678-3465

CDS 678-2059

Community Center 678-4134

Commissary 678-2313

Frontier Club 678-2055

Library 678-5820

McAfee Army Health Clinic 674-3500

Museum 678-2250

Post Chapel 678-2615

Post Office 541-7429

Outdoor Recreation 678-1713

White Sands Schools 674-1241

Youth Services/SAS 678-4140

IHG Army Hotel, WSMR 678-1838/4559