August 22, 2013

A Space & Missile Defense NewsWire

THE EAGLE

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Lt. Gen. David L. Mann assumes command of SMDC

Photo By Carrie E. David

Gen. C. Robert Kehler, right, commander, U.S. Strategic Command, passes the Joint Functional Component Command for Integrated Missile Defense's colors to Lt. Gen. David L. Mann, JFCC IMD's incoming commander, during a Change of Command at the Von Braun III auditorium Aug. 12. Mann will be dual-hatted as the commander of JFCC IMD and commanding general of the U.S. Army Space and Missile Defense Command/Army Forces Strategic Command. *For the story, see Page 3.*

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Lt. Gen. David L. Mann
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Command Sgt. Maj. James N. Ross
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G-3 sergeant major retires

Photo by Carrie E. David

Lt. Gen. Richard P. Formica, former commanding general, U.S. Army Space and Missile Defense Command/Army Forces Strategic Command, center, presents Sgt. Maj. Rod C. Beach, USASMDC/ARSTRAT G-3 sergeant major, with a certificate for the Legion of Merit during Beach's retirement at the command's Redstone Arsenal, Ala., headquarters Aug. 9. With them is SMDC Command Sgt. Maj. James N. Ross. Beach retires with 27 years of service.

RSA makes plans for RAD

Maj. Gen. Lynn A. Collyar, senior commander, Redstone Arsenal, and Col. Bill Marks, Redstone Arsenal Garrison commander, cordially invite military retirees from all branches of U.S. uniformed services and their dependents, to attend Redstone Arsenal's 42nd annual Retiree Appreciation Day, or RAD, event, Oct. 18-19.

This year will include a golf tournament and bingo event, as well as more free specials.

On Oct. 18 at the Summit and Overlook on Redstone Arsenal, there will be: a retiree health fair, a TRICARE briefing, a retiree appreciation golf tournament and flu vaccines will be given in the Overlook parking lot (depends on vaccine availability).

Throughout the day there will be numerous organizations and local vendors as well as medical representatives.

On Oct. 19 in Bldg. 5304, there will be more than 50 booths, as well as various speakers.

Estate and legal services will be given at the Staff Judge Advocate Office in Bldg. 3439.

Other services provided at RAD 2013 are: ID Cards issuance/assistance, Saturday; Veteran's Administration reps, Saturday; golf carts to escort people from car to events on both days; bingo on Saturday; and raffle prizes to include a special prize by the Defense Commissary Agency, Saturday.

Check out the retiree homepage on the website at *www.garrison.redstone.army.mil.*

SMDC celebrates Change of Command

Jason B. Cutshaw
SMDC Public Affairs

Photo By Carrie E. David

Lt. Gen. David L. Mann, incoming commanding general, U.S. Army Space and Missile Defense Command/Army Forces Strategic Command, and commander, Joint Functional Component Command for Integrated Missile Defense, speaks at the Change of Command Aug. 12 at the Von Braun III auditorium. Seated are Gen. C. Robert Kehler, commander, U.S. Strategic Command, left, and Lt. Gen. Richard P. Formica, SMDC's outgoing commanding general.

REDSTONE ARSENAL, Ala. – Lt. Gen. David L. Mann assumed command of the U.S. Army Space and Missile Defense Command/ Army Forces Strategic Command and the Joint Functional Component Command for Integrated Missile Defense from Lt. Gen. Richard P. Formica during a ceremony conducted in the Von Braun III auditorium Aug. 12.

Mann recently served as the commanding general of the U.S. Army Recruiting Command at Fort Knox, Ky., from February 2011 to July 2013, in which he was responsible for more than 13,000 Soldiers and civilians assigned throughout the United States, Europe and the Far East with the primary mission of meeting the Army's recruiting goals.

U.S. Air Force Gen. C. Robert Kehler, commander, U.S. Strategic Command, presided over the event.

"It is a privilege for me to be officiating at a Change of Command that involves the world's best Army," Kehler said. "I am flattered to preside over a ceremony that recognizes, not just the accomplishments of two senior leaders, but really the accomplishments of a whole lot of Soldiers and civilians.

"It's been a pleasure for me to work with SMDC. It's a pleasure for me to work with these great Soldiers and wonderful civilians who make up this great command," he added.

Kehler spoke of the leadership Formica has provided USASMDC/ ARSTRAT during his command and thanked him for his service to his troops and to his country.

"What a great day it is for the Formica family," Kehler said. "Dick, thanks for every single thing you have done for your country, for the Army and for the joint team. You have been spectacular.

"On behalf of all the men and women of the United States Strategic Command, on behalf of the Soldiers, sailors, airmen and Marines of the entire joint force, I say thanks, Dick, for what you've done," he added. "Thanks to you from the men and women who work for you and serve us so ably and so well."

Kehler then welcomed Mann to the command and wished him well as he begins the next chapter in his military career.

"For the Mann family, welcome to the U.S. Strategic Command and to the Space and Missile Defense Command," Kehler said. "Dave, today you take command of these incredibly capable and strategically vital commands. You are going to lead them in a period of unprecedented change and uncertainty in our world."

After Kehler spoke, Formica talked about, not only the command, but about the SMDC family.

"Let me thank each and every one of you for attending today," Formica said. "Gen. Kehler, we thank you for your leadership and your service. I have personally grown as a result of your leadership and your example. I am honored to have served with you.

"To the many activities that support

See CEREMONY on Page 6

STRATCOM commander visits SMDC

Jason B. Cutshaw
SMDC Public Affairs

Photo by Jason B. Cutshaw

Air Force Gen. C. Robert Kehler, commander, U.S. Strategic Command, is greeted by Martin Sargent, Reagan Test Site-Huntsville director, at the Reagan Operations Center – Huntsville during a site visit Aug. 12.

REDSTONE ARSENAL, Ala. – Members of U.S. Army Space and Missile Defense Command/ Army Forces Strategic Command welcomed the U.S. Strategic Command's leader as he travelled to Huntsville.

Air Force Gen. C. Robert Kehler, USSTRATCOM commander, visited Redstone Arsenal as well as officiated the Change of Command Aug. 12.

"I was delighted to officiate the JFCC IMD and USASMDC/ARSTRAT Change of Command ceremonies," Kehler said. "We said farewell to Lt. Gen. (Richard) Formica and thanked him for his tremendous contributions over a 36-year career. We also welcomed Lt. Gen. David Mann as he takes command of one of our most vital components."

After the Change of Command, Kehler then travelled to the Reagan Test Site Operations Center – Huntsville, or ROC-H, to visit with Soldiers and civilians who control the Reagan Test Site located at U.S. Army Kwajalein Atoll in the Republic of the Marshall Islands.

"I am always delighted to get around and see the folks who are doing the mission," he said. "This mission is important; it's a critical part of our space surveillance activities and part of our space surveillance network. I am especially intrigued by the fact that we are doing a lot of range operations from Huntsville now out to Kwajalein. It is very promising and it says a lot for future operations in other places."

Kehler talked about his impressions of the ROC-H and what the facility provides to STRATCOM and the defense of the nation.

"This is an impressive facility," he said. "The technology available in the ROC will enhance the space and missile defense mission and our ability to make decisions in a timely manner. The ROC ensures our capabilities and assets are working correctly to defend our nation, as well as allies and deployed forces."

After briefing Kehler on space operations, one Soldier said he informed the general on how the facility monitors missile defense testing in the Pacific Ocean and what it provides to the nation.

"It was quite humbling to be able to brief someone at the STRATCOM commander's level on the operations we do with respect to space and the space surveillance network," said Maj. Christopher L. Fairley, ROC-H space operations technical monitor. "It was good to get his perspective and to have him come here and support what we do, both for missile and for space, is great."

As Kehler received a briefing on what happens at ROC-H, he was informed of the many ways the facility provides up-to-date information for the nation's space warriors and allows SMDC to continue to remain as the Army's force modernization proponent for space, global missile defense and high altitude, and as the Army's operational integrator for global missile defense.

"I gave the general a brief overview of what ROC-H is and how we support homeland defense and

See STRATCOM on Page 10

Incoming CG earns his 3rd star

Jason B. Cutshaw
SMDC Public Affairs

Photo by Carrie E. David

Robyn Mann places a three star patch on her newly promoted husband's Army combat uniform during a ceremony at Von Braun III Aug. 12. Lt. Gen. David L. Mann assumed command of the U.S. Army Space and Missile Defense Command/Army Forces Strategic Command and Joint Functional Component Command for Integrated Missile Defense following his promotion. Looking on, and officiating the promotion, is Gen. Robert W. Cone, commanding general, U.S. Army Training and Doctrine Command.

REDSTONE ARSENAL, Ala. – Before to taking command of the U.S. Army Space and Missile Defense Command/Army Forces Strategic Command, Maj. Gen. David L. Mann needed one more item on his uniform: a third star.

Gen. Robert W. Cone, commanding general, U.S. Army Training and Doctrine Command, promoted Mann to lieutenant general during a private ceremony in the Von Braun III building Aug. 12.

"I am so impressed with David's vision, his intelligence, his high standards and his ability as a gifted communicator that I really wanted to be here to be a part of this," Cone said. "And what a great community SMDC has. It is great to be here. There is no finer organization in the Army than SMDC.

"One of my jobs is as the head of leader development in our Army," Cone added. "And when you see a guy of Dave Mann's talents, you've got to say 'how does the Army grow a leader to have these qualifications to take command of this tremendously complicated, technically based endeavor?' I think the Army got it right, and I am honored to be a part of today's event."

Shortly after the promotion, Cone reissued Mann with his oath of office. After the swearing-in, Mann spoke to those in attendance.

"I thank you all for joining us this morning," he said. "This means a lot to me and my family. We are truly excited to be here.

"The vitally important mission this command does for the nation is amazing," Mann added. "I am just so thrilled and honored to be able to join this team that is focused on space capabilities as well as protecting our country, and those of our allies from ballistic missiles. It is an honor."

Mann thanked his family who traveled to witness the occasion and said they are the biggest reason he is where he is today.

"Most importantly I want to thank my family," Mann said. "I can't love you enough and thank you for making the trip to be here.

"My wife Robyn is without a doubt the kindest, most compassionate, loving person I have ever met," he added. "I know you all feel that way about your better halves, but I'm here to tell you, she's the one. She has taken care of so many military families throughout the years, and I am honored to be her husband."

Mann was commissioned as a second lieutenant in the Air Defense Artillery upon graduation from Millersville University in 1981. His first assignment was with the 1st Battalion, 62nd Air Defense Artillery, 25th Infantry Division, in Schofield Barracks, Hawaii. Mann has served at Fort Bliss, Texas; Fort Stewart, Ga.; Fort Lee, Va.; Fort Monroe, Va.; Fort Carson, Colo.; Washington, DC; Fort Campbell, Ky.; White Sands Missile Range, N.M.; and Fort Knox, Ky.

Directed Energy Applications chief scientist earns honor

Photo by Carrie E. David

Lt. Gen. Richard P. Formica, former commanding general, U.S. Army Space and Missile Defense Command/Army Forces Strategic Command, presents Dr. Brian Strickland, chief scientist, Directed Energy Applications, with a pin recognizing his position in a non-executive, high-level scientific position within the federal employment system during a ceremony at the command's Redstone Arsenal, Ala., headquarters Aug. 5. The category of recognition is called ST positions, and covers performance of high-level research and development in the physical, biological, medical or engineering sciences, or a closely-related field.

CEREMONY from Page 3

our Soldiers, our sailors, our airmen, our Marines, our civilians, our wounded warriors, our veterans, and their families, thank you for your tremendous support," he continued.

"Diane and I are so proud to have served on your team," Formica added. "My final charge to you is to be relentlessly focused on providing and integrating space and missile defense capabilities. We should never forget that the most critical space and missile defense capabilities our nation has are the Soldiers, sailors, airmen, Marines and civilians who develop, deploy and operate those technologies."

Formica's official retirement ceremony was held at Fort Belvoir, Va., July 19.

In a separate ceremony before the change of command, Mann was promoted from major general to lieutenant general by Gen. Robert W. Cone, commanding general, U.S. Army Training and Doctrine Command.

Mann thanked everyone for their kind words and said he looks forward to working with Soldiers, civilians and family members of the SMDC community.

"It is an honor and a privilege to be a part of this team," Mann said. "When you look at the nature of threats facing us, these commands play an important role in keeping us safe. We feel extremely humbled to be on the team to ensure that the hard-fought freedoms and liberties that we enjoy today are maintained, not only for our kids and our grandkids, but for many generations to come.

"May God bless you and thank you for being here," he added.

Mann was commissioned as a second lieutenant in the Air Defense Artillery upon graduation from Millersville University in 1981. His first assignment was with the 1st Battalion, 62nd Air Defense Artillery, 25th Infantry Division, in Schofield Barracks, Hawaii. Mann has served at Fort Bliss, Texas; Fort Stewart, Ga.; Fort Lee, Va.; Fort Monroe, Va.; Fort Carson, Colo.; Washington, DC; Fort Campbell, Ky.; White Sands Missile Range, N.M.; and Fort Knox, Ky.

His commands have included: B Battery, 5th Battalion, 52nd Air Defense Artillery; 2nd Battalion, 44th Air Defense Artillery, 101st Airborne Division (Air Assault); 108th Air Defense Artillery Brigade, XVIII Airborne Corps; commanding general, White Sands Missile Range; commanding general, 32nd Army Air Missile Defense Command; and commanding general, U.S. Army Recruiting Command.

His education includes a Bachelor of Science in biology from Millersville University, a Master of Science in engineering management from George Washington University, and a Master of Arts in national security and strategic studies from the U.S. Naval War College. His military education includes the Air Defense Artillery Officer Basic and Advanced Courses, U.S. Army Command and General Staff College and the U.S. Naval War College.

Mann and his wife Robyn have two children.

SMD Symposium promotes defensive future

Jason B. Cutshaw
SMDC Public Affairs

Photo by Dottie White

Lt. Gen. David L. Mann, commanding general, U.S. Army Space and Missile Defense Command/Army Forces Strategic Command, gives his opening remarks to kick off the 16th annual Space and Missile Defense Symposium at the Von Braun Center, Huntsville, Ala., Aug. 13. The symposium took place Aug. 12-15.

HUNTSVILLE, Ala. – The Rocket City once again became the launching pad for leaders in the space and missile defense universe.

With the theme of "Shaping Capabilities for a Dynamic Environment," the 16th annual Space and Missile Defense Symposium was hosted at the Von Braun Center, Aug. 12-15. The conference was presented by the Air, Space and Missile Defense Association, the National Defense Industrial Association's Tennessee Valley Chapter and the Air Defense Artillery Association.

"It is with pleasure that I personally welcome you to the 2013 Space and Missile Defense Symposium," said retired Maj. Gen. John W. Holly, SMD Symposium industry chairperson. "This year's symposium will be a high-quality, interactive, professional development forum for dialogue between government, military and industry leaders in order to shape capabilities for a dynamic national and global environment.

"Our Warfighters have made an indelible mark in history with unparalleled performance," he added. "This performance and commitment, coupled with a nationally supported industrial base, provide the necessary impetus to shape a dynamic future. We look forward to your attendance, engagement and vision as we endeavor to shape the future of our industry and our nation."

On his first full day in command, Lt. Gen. David L. Mann, commanding general, U.S. Army Space and Missile Defense Command/Army Forces Strategic Command, gave a USASMDC/ARSTRAT and Joint Functional Component Command for Integrated Missile Defense update to those in attendance. He talked about what the command is doing, not only today, but also tomorrow and the day after tomorrow.

"I've been in command of SMDC/ARSTRAT for a little over a day now and I must say that I'm impressed," Mann said. "We are definitely headed in the right direction, our focus and lines of effort are good, and our personnel are dedicated to supporting the Warfighter.

"I've also been impressed with the Huntsville community," he added. "Huntsville has earned an Army-wide reputation for its close relationship with and support for Redstone Arsenal and the commands that serve there."

Mann spoke of his past experiences and how it helped shape his career and him personally. He also discussed how technology is providing capabilities to our Soldiers.

"Along the way, I've come to understand and appreciate the contributions made by space and missile defense to both the Warfighter and the nation," Mann said. "The effect and impact that space has upon every aspect of our military operations and our day-to-day lives is amazing and ever expanding. Today there are about two satellite antennas per Soldier in current operations – these antennas provide: satellite communications; positioning, navigation and timing;

See SYMPOSIUM on Page 15

Sadler assumes command of Kwajalein Atoll

Sheila Gideon
Kwajalein Hourglass

U.S. ARMY KWAJALEIN ATOLL, Republic of the Marshall Islands – Col. Nestor A. Sadler assumed command of U.S. Army Kwajalein Atoll in a ceremony on Aug. 2 at Island Memorial Chapel.

The presiding official was Thomas Webber, U.S. Army Space and Missile Defense Command/ Army Forces Strategic Command Technical Center acting director, on behalf of Lt. Gen. Richard P. Formica, former USASMDC/ ARSTRAT commanding general. Sgt. Maj. Roderick Prioleau, USAKA senior enlisted leader, was also a part of the official party.

Distinguished guests included Joseph Moscone, installation garrison manager and deputy to the commander, and wife, Nancy; Lt. Col. Dean Wiley, Reagan Test Site director; and Monica Sadler, wife of incoming USAKA commander. Representing the Republic of the Marshall Islands was Kwajalein Iroij/Senator Michael Kabua and Ebeye Mayor Johnny Lemari.

Master Sgt. Marcus Weiland presented traditional leis to Monica, welcoming her and wishing her success in her new role as part of the USAKA command team.

"We look forward to her friendship, mentorship and wisdom that she brings to our installation," Master of Ceremonies Steve Gauthier said. Nancy also presented a special gift to Monica, "signifying hospitality of our community and the USAKA family."

Guest speaker Webber discussed the upcoming garrison transition to Installation Management Command, and how USAKA will continue to remain vital in the future.

Photo by Sheila Gideon

Incoming U.S. Army Kwajalein Atoll commander, Col. Nestor A. Sadler, left, receives the colors from Thomas Webber, U.S. Army Space and Missile Defense Command/Army Forces Strategic Command Technical Center director, during the Assumption of Command Aug. 2.

"The priority of the senior commander, which is the mission executed by Reagan Test Site, will not change (after the IMCOM transition)," Webber said. "The support to customers in terms of the mission will not change. For those of you that make Kwaj your home, you know how unique this installation is."

Webber used to call Kwajalein home and has firsthand experience regarding not only how unique Kwajalein is, but how important.

"It is an amazing mission and the team has done fantastic work accomplishing it," Webber said. "To call this installation strategic is absolutely an understatement."

He expressed a heartfelt thank you to the entire USAKA team for all their hard work. He especially thanked Moscone, for taking on the role of Installation Garrison Manager during a challenging time that included personnel changeover at both the USAKA and SMDC levels, budget constraints, furloughs and a busy mission schedule.

"I am confident that everybody here will embrace the new commander, and support him and Monica as they start the next chapter in their lives," Webber said. "USAKA is gaining a highly trained and skilled officer in Col. Nestor Sadler. Not only is he ready for the position, he is absolutely the right man for the job and I have the utmost confidence in him."

Sadler addressed the community for the first time as commander.

"I have to admit, when the boss told me I'd be coming to Kwajalein, I didn't have a clue where this place was," Sadler said.

He said he quickly searched Kwajalein online on his cell phone, which he joked he doesn't have anymore. Through some research, he was able to determine that not only is Kwajalein unique, but it is strategic and "the people here are great." After being on island for just a few days, he came to the conclusion that all three are true.

Sadler thanked the USAKA command and contractor team for their hospitality and guidance getting him up to speed on island life and work.

"[Monica and I] look forward to joining the Kwaj team, and being a part of the Kwaj family," he said.

MIT/LL continues to offer IT internship

Sheila Gideon
Kwajalein Hourglass

U.S. ARMY KWAJALEIN ATOLL, Republic of the Marshall Islands – Massachusetts Institute of Technology/Lincoln Laboratory again offered their information technology internship to Republic of the Marshall Islands residents.

Lebon Joash and Nover Juria participated in the sixth year of the program offered at U.S. Army Kwajalein Atoll this summer. The 10-week internship offered by MIT/LL focuses on networking and computer system administration. It is supported by the MIT Community Outreach program.

The objective of the program is to provide instruction, mentoring and motivation to encourage student interns to pursue further education and subsequent employment in the Marshall Islands in a computer or science-related field.

Juria will continue to work at the National Weather Service office in Majuro, and will begin to assist in the IT department; he will attend University of South Pacific in Majuro to further his IT knowledge with Cisco classes.

Joash plans to work part time in Majuro until he attends the University of Hawaii in January to continue his IT education. Both students are eligible for a $1,000 scholarship for continuing education at the culmination of the internship.

The internship is taught by instructor Ranny Ranis. Ranis' approach is a hands-on one; the students work in a computer lab and are given the opportunity to learn about and experiment with computers and networking equipment. They take apart and rebuild computers, configure networks and are exposed to various troubleshooting scenarios.

One of Ranis' favorite teaching tools is to have the interns build a network in the morning and then break something while they're at lunch; when they return, they have to troubleshoot the problem and then fix it.

Besides working in the computer lab, the interns were able to take several field trips to see information technology in the real world. Dr. Aaron Fleet of MIT/LL toured them around Kiernan Reentry Measurements site, where they were given an introduction to radars and how they function. They also took a trip to the ATSC weather station and were given a tour of the weather radar. They also received an overview of systems engineering from several MIT/LL staff members.

Photo by Sheila Gideon

Lebon Joash, second from left, receives his completion certificate for his 10-week Massachusetts Institute of Technology/Lincoln Laboratory internship on the U.S. Army Kwajalein Atoll, Republic of the Marshall Islands. Pictured from left are Gabe Elkin, Massachusetts Institute of Technology/Lincoln Laboratory site manager; Col. Nestor A. Sadler, U.S. Army Kwajalein Atoll commander; Bruce Kopp; and instructor Ranny Ranis.

On Wednesday, both students presented a summary of what they learned to an audience including USAKA and RTS command, and MIT/LL staff members. At the end of the presentations, Gabe Elkin, MIT/LL site manager, presented Joash and Juria with certificates of completion.

Col. Nestor A. Sadler, USAKA commander, commended MIT/LL staff for the program and for setting up these Marshallese students for success. Sadler met with Thomas Armbruster, U.S. Ambassador to the RMI, this week, who expressed three key points when it comes to U.S. and RMI cooperation: health, education and diplomacy.

"You guys did an excellent job addressing education and diplomacy." Armbruster told Joash and Juria to think big. "I expect you guys to be the next Bill Gates or Steve Jobs. I'm proud of you young men for what you've accomplished and equally as proud of the team who have helped get you to this point. Job well done."

Retiring NCO earns the MSM

Photo by Carrie E. David

Col. Lester J. Campbell, former deputy chief of staff, G-8, U.S. Army Space and Missile Defense Command/ Army Forces Strategic Command, pins the Meritorious Service Medal onto the lapel of Sgt. 1st Class James F. Epps, Sexual Harassment/Assault Response Prevention program manager, SMDC, during Epps' retirement from active duty Aug. 9 at the command's Redstone Arsenal, Ala., headquarters. Epps retires with 20 years of service.

STRATCOM from Page 4

the nation," said Martin Sargent, ROC-H director. "I briefed more specifically to the test side of what we do. I told him why the RTS and Kwajalein Atoll are in a great location for the support we provide. It gives flexibility to our customers to come out and be flexible while expanding the envelope of testing.

"Any time we get someone of STRATCOM's caliber to come into our facility is a good thing," he added. "It gives us a chance to show him what piece we play and how we contribute to the defense to the nation."

As the STRATCOM commander was learning about ROC-H from the experts, he was informed of its vital mission in America's challenges concerning missile defense.

"Today's visit shows the importance of SMDC/ARSTRAT and our mission and provides us an opportunity to reflect to the general what we are doing in support of STRATCOM," said Timothy Kirchner, ROC-H technical director. "We also got some feedback on how he sees, in the big picture, our contributions are important to him and the Warfighter."

The visit to ROC-H was Kehler's first as the STRATCOM commander, and after he departed, the facility's senior military member reiterated the importance of having the unified combatant commander visit the Soldiers and civilians who play a major role in missile defense.

"The best thing we get out of today's visit is visibility directly to the STRATCOM commander for a number of missions," said Lt. Col. Brian T. Soldon, U.S. Army Kwajalein Atoll and Reagan Test Site deputy commander (CONUS), Kwajalein support director and RTS space operation director. "It is very important for the four-star commander to understand what we do here, and as he told us, it's impressive. He thanked us for what we are doing and the fact that he came here was something that we appreciate."

Before leaving, Kehler took a moment to show his appreciation for what the Soldiers and civilians at SMDC do for the defense of the country.

"Thanks for what you do," Kehler said. "Every single day you do something important for all of the joint team and it is always a pleasure for me to come and visit. I think that between missile defense and space activities, those are two growth areas for the U.S. military, because of the critical importance of space for our warfighting activities for our country's national security, and also because we see with the proliferation of ballistic missiles that there are going to be ballistic missile threats against our country, our allies and our forward forces for as far as we can see into the future. This is an important place and the Soldiers and civilians do an important job for the nation."

History: New insignia for a new command

Sharon Watkins Lang
SMDC command historian

In April 1988, the Army decided to move forward into the space arena creating an organization to address specific space issues in coordination with the U.S. Space Command. This unit was the U.S. Army Space Command a predecessor to our U.S. Army Space and Missile Defense Command/Army Forces Strategic Command.

On Aug. 22, 1988, the Institute of Heraldry formally assigned the unit a shoulder sleeve insignia or SSI. A blue shield bordered in white, the insignia featured a yellow flight symbol pointing up emitting a white contrail.

Superimposed in the middle of the image is a red pheon which also points up. As in all heraldic devices, the colors and images carry a symbolic meaning. The gold and yellow denote "excellence, achievement and high ideals."

Our nation's colors – red, white, and blue – are meant to convey courage, sincerity and loyalty. The flight symbol in this case represents space, the unit's theater of operations.

Meanwhile, the pheon, a flat barbed arrow engrailed on the inside, symbolizes a strong defense and military preparedness.

The command's current SSI which dates back to March 1996, also

Shoulder sleeve insignias of the U.S. Army Space Command and SMDC.

features the national colors and the courage, sincerity and loyalty which they represent. Another national symbol, the eagle is the central focus of the insignia.

It denotes both freedom and constant vigilance. The grid-lined sphere beneath the eagle symbolizes the global scope of the command's mission.

Finally, the flashes on either side represent both an "all encompassing strike capability and quick response."

Although heraldic insignia has been used from the Middle Ages to identify military units, trade guilds, government entities and even ecclesiastic dioceses, at the time of the American Revolution the trappings of heraldry were minimized.

Within the military, heraldic emblems appeared on flags to aide in the identification of units on the field. As the Army developed new emblems were introduced and others modified, but there was no centralized system or repository until 1918 when the Institute of Heraldry was developed.

The first shoulder sleeve insignia – the 81st Infantry Division's "Wildcat" – was adopted later that year on Oct. 19, 1918. The image represents Wildcat Creek that flows through Fort Jackson, S.C., where the unit was incorporated and trained, and was used to identify the men and the equipment of the 81st as they crossed the Atlantic headed to France during the First World War.

Other units in the American Expeditionary Force protested this unauthorized emblem and the issue was eventually elevated to Gen. John J. Pershing, General of the Armies of the United States. Pershing authorized the emblem usage and encouraged others in the AEF to follow suit.

Other units soon developed their own insignia incorporating symbols already used in equipment markings, adopting abbreviations or numeric images or incorporating aspects of the unit's heritage, geographic location or mission.

Command Surgeon's Corner

Improving performance, resilience and readiness

By Col. Kevin P. Michaels
SMDC command surgeon

As part of the Army's Ready and Resilient Campaign efforts, Army Medicine is advocating a culture shift by encouraging every professional Soldier to develop a mindset that drives them to optimize their own health to improve his performance and resiliency.

There must be an effective way to change mindsets, not just dictate behaviors. As Army Medicine continues to open the aperture, it must look where health is influenced.

It is in the lifespace where the choices we make impact our lives and our health. We understand the patient healthcare encounter to be an average interaction of 20 minutes, approximately five times each year.

Therefore, the average annual amount of time spent with each patient is 100 minutes; this represents a very small fraction of one's life. It is in between the appointments – in the lifespace – where health really happens and where we desire a different relationship with Soldiers, families, retirees and civilians.

The Army wants to reach beyond the physical boundaries of our medical treatment facilities and partner with those entrusted to care during the other 525,500 minutes of the year where people are living their lives and making health choices.

The connection between health and Army readiness is clear. The more people positively influence health, the better the Army is able to answer the nation's call.

Army Medicine's operational approach to these three key components of health – activity, nutrition and sleep – is the performance triad.

Army Medicine wants to illustrate to patients that they can positively impact their health by investing in these triad of factors. Getting back to the basics of activity, nutrition, and sleep – as both leaders and healthcare providers – are key in optimizing personal health, performance and resilience.

Physical activity is more than just exercise at the gym. Regular activity during the day can improve health by reducing stress, strengthening heart and lungs, increasing energy levels and improving mood. Similarly, quality nutrition and sleep management can serve as key components in promoting health, preventing disease, and achieving or maintaining a healthy body weight.

Chronic poor sleep may increase the risk for stroke, cardiovascular disease, diabetes and obesity. People think better, feel better and perform better when their bodies are well-nourished, well-rested and healthy.

While the Army may have a more visible influence in the lifespace and health of its active duty population, the challenges become greater with the Army Reserve and National Guard – the reserve components. The RC provides strategic depth and flexibility to the capabilities of the force, and has a valuable connection to the broader U.S. population.

A significant percentage of Army capabilities are within the RC, therefore, when it pertains to readiness of the force, the performance triad is just as important for the reserve component warriors as it is for those on active duty.

Finding innovative ways to extend our influence into the lifespace of the Reserve and National Guard is an important avenue to pave, and may set the stage for Army Medicine to truly strengthen the health of the nation by impacting those in uniform who work within the civilian communities.

Across all age groups and medical conditions, the impact of restful sleep, regular physical activity, and good nutrition are visible in both the short and long term. While each component is independently important, optimal performance is achieved when all three are addressed simultaneously.

The people who have the greatest impact on Soldier behaviors do not reside in military hospitals and clinics – they are the unit leaders, mentors, and family in the lifespace. The goal is to make this a part of the backbone of the Army – sleep discipline, daily activity, and good nutritional decisions.

Sleep: seven to eight hours every 24 hours

Activity: 10,000 steps per day and regular exercise

Nutrition: Eat eight servings of fruits and vegetables a day

Learn more about Army Medicine and the performance triad at *www.armymedicine.army.mil.*

West Point cadet interns at Reagan Test Site

Sheila Gideon
Kwajalein Hourglass

U.S. ARMY KWAJALEIN ATOLL, Republic of the Marshall Islands. – U.S. Military Academy at West Point, N.Y., cadet Ian De Mallie was given a unique opportunity for a four-week internship at Reagan Test Site last month.

De Mallie, originally from Charlotte, N.C., and who begins his junior year at West Point next week, majoring in physics, arrived July 16 for his internship.

An astrophysics class at West Point exposed De Mallie to the fact that the U.S. Space and Missile Defense Command/Army Forces Strategic Command offers various internships all over the country. He originally applied for an internship in Colorado Springs, but then learned about an open slot here at U.S. Army Kwajalein Atoll. According to De Mallie, the internship at RTS perfectly fit his goals for the future.

"I'd really like to do what's called FA40, which is being a space operations officer, and working in SMDC eventually in my Army career," he said.

De Mallie worked closely with Dr. Aaron Fleet, of Massachusetts Institute of Technology/Lincoln Laboratory, during his internship. De Mallie's main task during his internship was a radar interference project, which investigated various effects that can cause problems for the RTS radars when they are collecting data during missions.

"This was a good project for cadet De Mallie because it allowed him to learn the basic principles of radar operation by building a mathematical model of a generic radar system," Fleet said. "He used the model to understand effects of electromagnetic interference on radar operation. The subject matter was matched to the level of coursework that he has taken during his first two years as a West Point physics major. After he leaves RTS, I will continue to use and augment his model to answer questions regarding radar performance in harsh electromagnetic conditions."

Fleet also took De Mallie to Roi-Namur, where he toured the historical Japanese landmarks and Keirnan Reentry Measurements Site. He learned about radars and how they work. He said he was amazed that some of the radars on Roi were built in the 1950s and are still functioning today.

Photo by Sheila Gideon

Point Cadet Ian De Mallie passes by the Prinz Eugen while on a boat during his internship at Reagan Test Site, U.S. Army Kwajalein Atoll, in July.

"It was really helpful to go inside and see how everything is coordinated, and meet all the different people who work there," De Mallie said.

They explained how they gather data and what they do with it. He gained an understanding of the RTS mission and how they serve as the "eyes and ears of the Pacific."

He was also introduced to Marshallese culture with tours to both Enniburr and Ebeye.

"That was really good to get to see a little about the RMI and how everything functions [between the RMI and U.S.]," De Mallie said.

As a cadet, one of the challenging aspects of the internship was to work with doctorates and be expected to understand and work at their level.

"Cadet De Mallie did a fine job in exploring a new subject area with which he was previously unfamiliar," Fleet said. "He built his model using the industry-standard Matlab computing software package, despite being largely unfamiliar with it prior to coming to RTS. His aptitude for confronting new challenges speaks well of the West Point student body and the technical training they receive."

While it was challenging to be a 22-year-old in this working environment, he said he found everyone was eager to explain their goals and mission to him.

See CADET on Page 15

Command Safety Gram

Back-to-school safety tips

It's hard to believe that summer is almost over and the time to send the kids back to school is once again upon the nation. Back-to-school time means it is also time to think about safety. Here are a few safety tips to help keep children safe all school year long.

Playgrounds

Each year, more than 200,000 kids are treated in U.S. hospital emergency rooms for playground-associated injuries. Most of these injuries occur when a child falls from the equipment. Take a look at the surfaces of local playgrounds.

There should be a 12-inch depth of wood chips, mulch, sand, or pea gravel. Mats made of safety-tested rubber or fiber material also make great padding to help prevent injuries.

Bike Safety

Since a growing number of kids are riding bikes to school, make sure children follow these simple rules:

♦ Always wear a bicycle helmet, no matter how short or long the ride.

♦ Ride on the right, in the same direction as auto traffic.

♦ Use appropriate hand signals.

♦ Respect traffic lights and stop signs.

♦ Wear bright colored clothing to increase visibility. Wear reflective materials when riding during limited visibility.

♦ Know the "rules of the road." That includes no talking or texting on the phone while riding.

Backpacks

Textbooks, notebooks, lunch, toys... how much weight is a child toting back and forth each day? Take the load off of children by following these backpack safety tips:

♦ Choose a backpack with wide, padded shoulder straps and a padded back.

♦ Pack light. Organize the backpack to use all of its compartments. Pack heavier items closest to the center of the back. The backpack should never weigh more than 10 to 20 percent of the student's body weight.

♦ Always use both shoulder straps. Slinging a backpack over one shoulder can strain muscles.

Eating During the School Day

♦ Most schools regularly send schedules of cafeteria menus home. With this advance information, parents can plan on packing lunch on the days when the main course is one the child prefers not to eat.

♦ Try to get local schools to stock healthy choices such as fresh fruit, low-fat dairy products, water, and 100 percent fruit juice in the vending machines.

♦ Each 12-ounce soft drink contains approximately 10 teaspoons of sugar and 150 calories. Drinking just one can of soda a day increases a child's risk of obesity by 60 percent. Restrict children's soft drink consumption.

Parents all worry when they send their kids back to school. However, by being aware of the hazards children may face and taking a few safety precautions, parents will be able to help keep their child safe.

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

Deadline for comments and submissions for the Sept. 5 issue is Aug. 30.
Please submit to Jason B. Cutshaw at *Jason.B.Cutshaw.civ@mail.mil*.

SYMPOSIUM from Page 7

intelligence, surveillance and reconnaissance; missile warning; weather and environmental monitoring; as well as space control and space situational awareness.

"The Army's dependence on space as a force multiplier will continue to grow for Army of 2020 and beyond," he added. "We, as an Army, depend on space capabilities in everything we do – pre-deployment, deployment and redeployment. Retaining our space superiority is a military imperative and there's no going back."

During the symposium's "Salute to the Warfighter" dinner, Mann proposed a toast to America's space warriors who protect troops overseas in the field, and families at home in their beds.

"Throughout the world there are brave men and women who go into harm's way," Mann said. "It's to these Soldiers, sailors, airmen, Marines and civilians that we're committed to providing space and missile defense capabilities."

During the week there were panel discussions with subject matter experts, social receptions and numerous other events to inform the public of the space and missile defense community's current and future endeavors.

"This conference has shown in the past what North Alabama does for national security and national defense," said Alabama Congressman Mo Brooks. "It shows how we are on the cutting edge of technology that enables our Warfighters to achieve their mission goals with minimal loss of life. And quite frankly, what we have on display here at the Von Braun Center today is the envy of the rest of the world's militaries.

"This is an opportunity for SMDC and contractors to look at what each other have to offer, what their expectations are and to communicate," he added. "In particular, you have the private sector, which is coming up with innovative ideas that are on display, and SMDC's personnel can look at them and evaluate them and then they can have frank discussions with both sides participating and maybe put it in the queue for future development if it seems promising."

At the symposium, one SMDC leader talked about the importance that the week means to the men and women in uniform who are in harm's way.

"The symposium is going great," said SMDC Command Sgt. Maj. James N. Ross. "This is not my first symposium, but it is my first in my capacity as the SMDC command sergeant major and I am looking forward to providing my perspective on the Army as a provider of space and missile defense capabilities."

In the VBC, more than 200 companies, both large and small, had booths featuring everything from full-size displays to computer simulations of future technologies.

"This symposium is an opportunity for us to get the community together and to exchange ideas in an open environment," said Larry Burger, SMDC Future Warfare Center director. "Everybody has good ideas, but it is being able to put that combination of two, three or four good ideas together that you wouldn't have been able to if we did not have this symposium.

"We learn something different every time we come here. We learn new innovations that are being done by private industry, we learn some of the directions that the government is going and we learn from academic leadership," Burger said. "And it is that confluence of all three of those communities coming together in this forum that you can't get anywhere else. That is why this symposium is very beneficial for the command and the entire community."

CADET from Page 13

He enjoyed getting insight into how the civilian side and military side function to complete a single mission.

"I'm familiar with, in the military, being out in the field. It's interesting to come see this side of the military, where they're actually doing academic [work]," De Mallie said.

De Mallie was allowed time for recreation while here.

He said he went deep sea fishing, tried surfing for the first time, saw a turtle while snorkeling and got to ride in a helicopter.

De Mallie said he got the impression that Kwajalein is a tight knit community and "you can't live out here without enjoying yourself." He said he had never heard of Kwajalein until a few weeks ago, but said he would love to come back at some point.

De Mallie's future plans include finishing his physics program at West Point, and then he hopes to earn his commission as an aviation officer flying helicopters. Later in his career, he hopes to go into special or space operations. Eventually, he wants to get his master's degree or doctorate in physics and work in the government sector.